MEDICARE HOSPITAL MORTALITY INFORMATION

Kentucky, Mississippi, North Carolina, South Carolina, Tennessee

Region IV

U.S. Department of Health and Human Services
Health Care Financing Administration

RA981
.A2
M43
1987
Region IV
[v.2]

MEDICARE HOSPITAL MORTALITY INFORMATION

1987

KENTUCKY, MISSISSIPPI, NORTH CAROLINA,
SOUTH CAROLINA, TENNESSEE

REGION IV

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The Health Care Financing Administration (HCFA) was established on March 9, 1977, to combine health financing and quality assurance programs into a single agency. HCFA is responsible for the Medicare program, Federal participation in the Medicaid program, the Peer Review Organization program and a variety of other health care quality assurance programs.

The mission of the Health Care Financing Administration is to ensure the effective administration of our programs in order to promote the timely delivery of appropriate, quality health care to over 56 million of the nation's aged, disabled and poor. The agency must also ensure that beneficiaries are aware of the services for which they are eligible, that those services are accessible and of high quality, and that agency policies and actions promote efficiency and quality within the total health care delivery system.

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UNIVERSITY MEDICAL CENTER HOSPITAL 772
UNIVERSITY OF TN MEDICAL CENTER 773
UNIVERSITY OF TN MEMORIAL HOSP 774
VANDERBILT UNIVERSITY MEDICAL CENTER 775
VOLUNTEER GENERAL HOSP 778
WARREN REGIONAL HOSP 781
WAYNE CO GENERAL HOSP 782
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WILLIAMSON MEDICAL CENTER 787
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TECHNICAL APPENDIX A-1

INTRODUCTION

The nation's Medicare program, which is administered through the Health Care Financing Administration (HCFA) in the Department of Health and Human Services, now has 31 million beneficiaries. One of HCFA's primary responsibilities is to ensure that Medicare beneficiaries receive quality health care. We believe that the publication of the Medicare hospital mortality information contained in this document will contribute to that end.

This particular information release presents information to answer the question: "What is the actual death rate for each hospital compared to what would have been expected for that particular hospital, given what we know of the characteristics of patients admitted?" The statistics are presented in the hope that they will serve the public and the hospitals in their common interest of improving quality of care.

The development of mortality statistics is a complicated and controversial task, since the mortality rate at a given hospital may reflect, among other factors, age, sex, diagnosis, and severity of illness of patients admitted to that hospital, as well as the purpose and quality of the care they received. Characteristics affecting health and the probability of death vary among the patient populations served by individual hospitals. Consequently, the mortality rates in different patient populations will vary.

The usefulness of this information depends upon the accuracy with which mortality rates can be predicted and the stability of these rates over time for each hospital. It is important to understand that the difference between the hospital's mortality rate and the predicted values in the tables contained in this document may not be a direct measure of the quality of care rendered in hospitals. There is one primary reason for this: we do not now have any direct measurement tool with which we can adjust fully for differences among hospitals in how severely ill their patients are. For instance, two hospitals might have very different death rates for patients admitted for stroke, even after we have adjusted for age and sex. This might happen because one hospital's stroke patients consist of a significant number admitted in a coma and are thus more likely to die, whereas another hospital's patient population represents a broader spectrum of patients with cerebrovascular problems, or because these hospitals in fact provide different levels of quality of care. In addition, other factors affecting the probability of death in a particular case (e.g., family status/support) and overall health status are not included in the predictive model because information on them is not readily available.

When properly understood and used, this information can be useful; it can also be very misleading if it is interpreted incorrectly. The information simply describes one of several possible outcomes at a hospital--post admission mortality for Medicare beneficiaries. The information is not necessarily representative of a hospital's total performance in all aspects of patient care, and is best used to view experience in individual hospitals rather than making comparisons among hospitals. Individual hospitals may have very good reasons for their rates being higher than the ranges predicted by HCFA's model. Accordingly, it was important for hospitals to have an opportunity to review their specific information and to provide comments to HCFA and the public. We asked each hospital to prepare its comments on the information being released to the public, and we are including those comments in this publication.

This information is an important contribution to the health care community and should be reviewed by a wide range of individuals and organizations including hospital administrators, Peer Review Organizations, physicians, and researchers. Among these audiences, perhaps the hospital administrator will find the information most useful--as a screening tool and in consulting with medical staff to evaluate a hospital's strengths and weaknesses. In this way, the information should lead to analysis and subsequent actions which will capitalize on areas of strong performance and strengthen areas where improvement is needed. For example, we expect that hospitals and their medical staffs, using established and newly emerging quality assessment techniques, will try to determine what useful information can be derived about their hospitals and how they function.

Consumers should read the explanations of the uses and limitations of the information, as well as any comments a hospital may have provided, and should consider carefully the different roles that different hospitals play in their community. For example, one hospital might have different death rates than another because it serves more severely ill patients or because it is a trauma or emergency center.

The development and presentation of this information continues to be an important part of HCFA's responsibilities in the health care community. Consequently, in making the information as accurate and useful as possible, over the past several years we have discussed the theoretical framework and statistical approach with a number of nationally recognized technical experts in appropriate fields. Based on their recommendations, we continue to believe that the models used in this work are reasonable and appropriate for the intent of the publication.

This year we made three significant changes in the way in which we presented this information:

- First, we are presenting information for 1986 and 1987. The information for 1986 may be somewhat different from that published last December, since it is based on this year's methodology.

- Second, we are including information about each hospital, such as bed size and other characteristics which we obtained from data contained in the American Hospital Association's (AHA's) 1987 Annual Survey of Hospitals files or, where such information was not available from the AHA file, HCFA's Medicare/Medicaid Automated Certification System (MMACS) files.

- Third, instead of arranging the hospital mortality information and comments alphabetically by State, we have arranged the States regionally according to HCFA's 10 regional offices.

During our discussions with the experts, it was further recommended that we concentrate our efforts this year on validation of the data. Therefore, we have undertaken the following validation studies designed to coincide with this year's release of the Hospital Mortality Information:

- HCFA is engaged in a statistical evaluation of the Hospital Mortality Information using clinical data abstracted by MediQual Systems, Inc. from over 40,000 medical records from a carefully selected sample of hospitals. The data consist of clinical characteristics of Medicare patients as ascertained in the first 48 hours of hospitalization, and include data from the patient history and preadmission findings, to permit assessment of the severity of illness at admission and its impact upon mortality. The validation consists of a comparison of the results of the mortality rate analyses with and without the adjustments for patient severity permitted by the specially obtained clinical data. This will allow conclusions about the extent to which patient severity impacts the mortality rates. Hospitals which participated in this study have done so voluntarily. HCFA has shared hospital specific results with each facility from which medical records were abstracted.

- We will be comparing results of the mortality rate analyses with the results found by all Peer Review Organizations (PROs) in applying HCFA's Generic Quality Screens to cases reviewed as a part of ongoing PRO review activities. The purpose of this particular validation effort is to determine the extent to which an alternative presumed measure of quality of care correlates with mortality rates.

In addition, the format for presentation, the process for sharing the information with individual hospitals, and the statistical methodology have been discussed at various meetings with leaders of organizations representing Medicare beneficiaries, physicians, and hospitals. Also, we have spent many months reviewing the comments received from the hospitals during the past 2 years regarding their patient-specific data and our mortality information publication.

Many suggestions from these sources have been incorporated into the final publication. For example, following the release, we examined a limited number of cases in which hospitals advised us that an individual shown as deceased on HCFA's records was in fact alive. An analysis of specific cases confirmed that there was a report of a date of death in the HCFA data base at the time the Medicare hospital mortality information was being analyzed. In most cases, we found that the source of the date of death in the record was the hospital inpatient bill provided by the facility. For example, the HCFA records showed that a bill submitted by Hospital "X" for an inpatient stay for a patient ending February 12, 1986 indicated the patient status at time of discharge as "Expired." This bill was processed on April 8, 1986 and served as part of the HCFA data base at the time we prepared the release of hospital mortality information. (For Medicare hospital mortality analyses, we used the Medicare billing records received for the June update of the MEDPAR file.) In July 1987, a bill was processed by HCFA for a subsequent hospital stay for this beneficiary and as a result we removed the date of death from our records. Unfortunately, this subsequent information was obtained too late to be included in the final information release. Although this type of billing problem was minimal on a national basis, we hope that an indirect byproduct of this process will be improved accuracy in coding and billing procedures.

The publication of Medicare Hospital Mortality Information is an ongoing process at HCFA. We are continuing to do everything we can to make this information more useful to both the public and the health care professions. We are refining ways to use the information as a screening tool for "quality of care" purposes, and we are developing tools to adjust for differences in disease severity. Thus, this year we provided hospitals with information on the Medicare Mortality Predictor System (MMPS) which is designed to help hospitals interpret the mortality rates of their patients. In addition, because we recognize that mortality rates alone do not adequately measure how effectively a hospital cares for its patients, we will be developing other measures of outcome, such as the need for medical treatment after discharge, to assess the performance of hospitals more fully.

Just as we made improvements in the methodology used last year, we expect that when the 1989 release is published, it, too, will reflect progress toward more accurate and useful information for hospitals, physicians, and consumers alike. This will contribute to assessment of and improvement in the effectiveness of medical services.

William L. Roper M.D.

William L. Roper, M.D.
Administrator

DESCRIPTION OF MORTALITY INFORMATION

Before reading the tables containing the hospital-specific information and the comments provided by individual hospitals, the reader will find it useful to understand the format and presentation of the information in this document.

The analyses of the mortality rates associated with hospitalizations in 1987 are very similar to those carried out last year on Medicare hospitalizations which occurred in 1986. Only one hospitalization for every patient was used--the last hospitalization with a discharge in calendar year 1987. The event evaluated was death within 30 days of admission to the hospital.

For each hospital, information is presented for overall Medicare patient mortality and each of 16 diagnostic categories. The information consists of the number of Medicare patients, the actual mortality rate, and a range of predicted mortality, given the mix of patients.

The reader should note three significant changes in the way the information is organized in this year's publication:

- First, we are presenting information for 1986 and 1987. The information for 1986 may be somewhat different from that published last December, since it is based on the revised methodology discussed below.
- Second, we are including information about each hospital, such as bed size and other characteristics, which we obtained from data contained in the American Hospital Association's (AHA's) 1987 Annual Survey of Hospitals files or, where such information was not available from the AHA file, HCFA's Medicare/Medicaid Automated Certification System (MMACS) files. These hospital characteristics are found at the bottom of each hospital summary page containing the 1986 and 1987 mortality rates and ranges. A more detailed discussion of the hospital characteristics can be found in the section entitled "Hospital Characteristics Definitions."
- Third, instead of arranging the hospital mortality information and comments alphabetically by State, we have arranged the States regionally according to HCFA's 10 regional offices. Thus, the hospital information and comments are arranged alphabetically by State within each State's respective regional volume. A complete listing of States by region (and volume) can be found at Table 1.

Before reviewing the summary table for your hospital, it would be helpful to describe how the numbers were derived and what they mean:

- Number of Cases. This figure is the number of individual Medicare beneficiaries whose last discharge from a short term, acute care hospital in a calendar year was from the hospital listed. The total number for each hospital is presented under the category "all cases."

Similarly, for each diagnostic category, the number of cases consists of the number of Medicare beneficiaries whose last discharge in the calendar year was from the hospital cited and whose principal diagnosis at admission fell within the specific diagnostic category.

Since only a patient's last hospital discharge (including death occurring in a hospital) is "counted" in the total number, HCFA's computation and that maintained by individual hospitals will generally differ. For example, if John Doe was a patient at Hospital A three times during 1987, the methodology used in HCFA's analysis counts only the last discharge in 1987 in the hospital's total. Normally, a hospital maintains statistics regarding each of its admissions and so would count Mr. Doe as three cases. In addition, in this example, if Mr. Doe were admitted later in the year to Hospital B (another acute care hospital) and then discharged in 1987, and this latter stay represented his last discharge for 1987, his case would be counted in Hospital B's total and he would not appear at all in Hospital A's count.

The key factor to remember is that we are examining last hospital discharges in 1987. In some cases, this will necessitate the inclusion of certain patients admitted to the hospital in 1986 or who died in January 1988.

o Actual Mortality Rate. This figure presents the percentage of each hospital's Medicare patients who died within 30 days of the admission that resulted in the last-occurring discharge of the patient in 1987. (The percentage is rounded to the nearest whole percentage point.)

Where, for example, Hospital A had a universe of 1000 patients whose last acute care hospital discharge in 1987 was from Hospital A, and 100 of these patients died within 30 days of their admission, whether as hospital inpatients or after discharge, the actual mortality rate would be 10 percent. This rate includes cases in which a beneficiary was admitted to the hospital in 1986 and was discharged in 1987. It also includes those instances in which a beneficiary was discharged in 1987 and died within 30 days of admission, even though the 30-day period extends into 1988. Cases in which the beneficiary was not discharged in 1987 are not part of the rate. For example, a person who was admitted to a hospital on December 28, 1987, discharged on January 5, 1988 and died on January 8, 1988 would not be a part of the calculation, even though that person died within 30 days of a 1987 admission.

o Range for Predicted Mortality. This column gives an estimate of mortality rates for cases equal in number and with the average characteristics of the cases treated by the hospital. The range is derived in part by determining, based on national experience, the contribution to the probability of dying associated with various patient characteristics: the number of high, low, and undefined risk hospital admissions in the previous six months, transfer status, age, sex, and presence of up to four of eight possible comorbid conditions--cancer, chronic cardiovascular disease, cerebrovascular degeneration/chronic psychosis, chronic pulmonary disease, chronic renal disease, chronic liver disease, diabetes, hypertensive disease--and by applying weights of the risk factors to the actual number of patients at the hospital to enable compilation of an expected mortality rate. This rate is converted, with adjustment for the variability expected given the number of cases, to a range of predicted mortality rates. It is important to note that the fewer the number of cases included in a given diagnostic category, the greater the uncertainty of the expected mortality range and, therefore, the wider the range. A larger number of cases yields greater precision, and therefore, a more narrow range of predicted mortality rates.

The principal source of data for the analysis was the HCFA Medicare Provider Analysis and Review (MEDPAR) file which contains information about each Medicare hospital discharge. Information about beneficiaries, including date of death, was obtained from the Social Security Administration.

The analyses were performed by means of logistic regression, with patients grouped into 17 distinct diagnostic categories: ten high risk and six low risk and one category containing all others. Similar to last year, the risk factors (covariates) included in the regression analyses within each diagnostic category were age, sex, significant comorbidities, number of admissions by risk category within 6 months, and status as a transfer patient. However, in response to comments on last year's definition of the diagnostic categories, the present categories are more risk-homogeneous. That is, the mortality rates associated with the ICD-9-CM codes for the principal diagnoses were evaluated and were used to determine whether a code should be placed in the high risk, the low risk, or the "undefined" category. Consequently, while the diagnostic categories still follow medical disciplinary lines, the range of mortality rates in each diagnostic category is more restricted. The net result is that the 16 specifically defined categories now account for about 65 percent of the patients, compared to 70 percent last year, and for about 72 percent of deaths, compared to 80 percent last year. A list of the ICD-9-CM codes used in each diagnostic category is attached in Table 2 and the list of the comorbidities is attached in Table 3. In the process of making these adjustments in the diagnostic categories, we have also modified the names of five categories to reflect more accurately their composition. These changes are: Neuropsychiatric/Sensory Disease (formerly Opthalmologic Disease), Musculoskeletal/Skin Conditions (formerly Orthopedic Disorders), Renal Failure (formerly Renal Disease), Infectious Disease (formerly Sepsis) and Cerebrovascular Accidents (formerly Stroke).

HOSPITAL COMMENTS

On September 15, 1988, HCFA mailed to each hospital its own mortality information and asked for comments by October 24, 1988. Each hospital's comments, if any, immediately follow its mortality information. The comments are generally reproduced as submitted by the hospital. However, some hospitals returned to HCFA an annotated copy of the information sent on September 15. These annotated materials have not been reproduced in this publication.

even in those instances where they were the only form of comments submitted by a hospital. The reason for not printing these materials is one of privacy or because it would result in duplication of characteristics already corrected by HCFA. Information which would identify or possibly identify patients must be deleted, which would cause any remaining information to be of extremely limited, if any, use. Therefore, we have included a statement to identify instances when these types of materials have not been included. Other hospitals submitted comments that were more lengthy than those which we specified in our September 15 letter would be permitted and, therefore, were edited. As mentioned earlier, it is extremely important that the information presented in the tables be reviewed in concert with the hospital's comments.

In any project of this size, there will be instances where hospitals did not receive the information for comment or did not receive it timely. In fact, many hospitals were sent second copies of their specific information in an expeditious manner to allow every opportunity for review and comment. Therefore, even though it is possible that some of the nonresponding facilities never got the information or did not have adequate time to comment, we expect that these instances were few in number.

INFORMATION SOURCES AND NOTES

It is important to note that this publication is based primarily on Medicare hospital billing information for calendar years 1985, 1986, and 1987. While the principal source for the analysis was the HCFA-maintained MEDPAR file which contains information about each Medicare hospitalization, some of the information about beneficiaries, such as date of death, was obtained from the Social Security Administration. Hospitals submit such information to HCFA's fiscal intermediaries (which handle claims for the care provided to Medicare beneficiaries). The file is updated quarterly. It is estimated that billing information on approximately 95 percent of all Medicare discharges is included in the MEDPAR file within 6 months of the close of the calendar year. Accordingly, our analysis was based on information received through June 10, 1988.

In any large-scale data base such as one dealing with Medicare hospitalizations, there will be gaps or inaccuracies. The fact that the files contain information on about 10 million hospital admissions to nearly 6,000 hospitals for each year provides some assurance that, for purposes of the statistical analysis conducted here, the information which might be missing or inaccurate is such a small portion of the total that it would have almost no impact on the results.

Nonetheless, while we feel that the information used in this analysis is quite thorough and complete, there are a few points which should be kept in mind as the hospital-specific information is being reviewed:

- The information used is billing data and is only as good as the information submitted by hospitals as a part of the payment process. Although there is always a possibility that coding errors are included, for our purposes here, it is assumed that, given the link to payment, hospitals have an incentive to submit bills accurately and promptly.

- The hospitals included in this analysis are short-term, acute care facilities which were identified by their unique provider number. All facilities which have a zero in the third position of their provider number are by definition participating in Medicare as short-term, acute care facilities. All other facilities--those with something other than a zero in the third position of the provider number--were excluded from the analysis. In some cases, hospital names suggest an orientation different from acute care. This does not mean the facility is inappropriately included in the publication.

- There is some information in the file which does not reflect the results of review by Peer Review Organizations (PROs), the entities charged with reviewing hospital services provided to Medicare beneficiaries. For example, one of the functions a PRO performs is to ensure that the diagnosis assigned to a particular case is accurate. The nature of the review and payment system is such that it is possible that PRO changes in diagnosis assignment may not be submitted to HCFA and associated in the MEDPAR file on as timely a basis as other billing information. Obviously, any major changes in diagnosis assignment which are not reflected in the data base would have a bearing on calculation of mortality rates in individual diagnostic categories and may also have a bearing on comorbidities. Some hospitals pointed out instances where the hospital's mortality information did not agree with HCFA's; e.g., different date of death, cases of subsequent admission to another facility, or changes in diagnostic codes. The data base used in this analysis has not been revised to reflect these potential discrepancies. Rather, we are examining all hospital comments to ensure that changes to our data systems and processes can be made when warranted so that future releases will be even more accurate. Readers are urged to review any hospital comments with a specific view toward these types of issues.

- The predictive model used in this effort does not explain all variability in outcome. Most notably, a measure of severity of illness has not been included in the model, and, therefore, the predictive power of the model is less precise than it would be if such a measure had been available. Nonetheless, the information included in this document does legitimately contribute to the body of information about hospital performance.

HOSPITAL CHARACTERISTICS DEFINITIONS

In this year's publication, we have included hospital characteristics information such as bed size, occupancy rate, ownership, staffing, and specialty services. This information was obtained from the American Hospital Association (AHA) 1987 Annual Survey of Hospital Files. Where hospitals did not provide information on a particular item, it has been listed as "not available." This file consists of information voluntarily reported by hospitals to the AHA. In instances where the AHA records contained no information about a hospital included in the analysis, we have presented the most recent information from HCFA's Medicare/Medicaid Automated Certification System (MMACS) Files.

Following are the AHA's definitions of each characteristic found on the hospital's summary page containing the 1986 and 1987 mortality rates and ranges.

SURVEY AND YEAR: AHA 1987		Source = American Hospital Association 1987 Annual Survey of Hospital Files
o	Total beds (#):	Number of beds (including sub-acute beds), cribs, and pediatric and neonatal bassinets regularly maintained (set up and staffed for use) for inpatients as of the close of the reporting period; does not include bassinets for normal newborn infants.
o	Occupancy rate (%):	Ratio of average daily census to the average number of beds (statistical beds) maintained during the 12-month reporting period. (NOTE: The number of these "statistical beds" may differ from the bed count at the close of the reporting period.)
o	Ownership/control:	State government, local government, district/authority, church, private nonprofit, private for profit, or Federal Government
STAFFING:		
o	Total number of physicians:	Total active and associate medical staff
o	Percent of Board-Certified Specialists	Physicians who have passed an examination given by a medical specialty board and have been certified by that board as a specialist.
o	Interns and residents:	Full-time equivalent (FTE) medical residents
o	Registered nurses:	Full-time equivalent (FTE) registered nurses
o	Licensed practical nurses:	Full-time equivalent (FTE) licensed practical nurses

SPECIALTY SERVICES:

o	Shock/trauma unit:	Provides emergency and specialized intensive care to critically injured patients.
o	Burn unit:	Provides more intensive care to severely burned patients than the usual acute nursing care provided in medical and surgical units. Beds must be set up and staffed in a unit specifically designated for this service.
o	Medical/surgical intensive care:	Provides nursing care to adult and/or pediatric patients of a more intensive nature than the usual medical, surgical, pediatric, and/or psychiatric care on the basis of physicians' orders and approved nursing care plans. Included are medical-surgical, pediatric, and psychiatric (isolation) units. These units are staffed with specially trained nursing personnel and contain monitoring and specialized support equipment for patients who, because of shock, trauma, or life-threatening conditions, require intensified, comprehensive observation and care. These units may also include cardiac care when such services are not provided in a distinct cardiac care unit.
o	Cardiac intensive care:	Provides patient care of a more specialized nature than the usual medical and surgical care, on the basis of physicians' orders and approved nursing care plans. The unit is staffed with specially trained nursing personnel and contains monitoring and specialized support or treatment equipment for patients who, because of heart seizure, open-heart surgery, or other life-threatening conditions, require intensified, comprehensive observation and care. May include myocardial infarction, pulmonary care, and heart transplant units. Beds must be set up and staffed in a unit(s) specifically designated for this service.

o	Organ transplant service	The necessary staff and equipment to perform the surgical removal of a viable human organ (including kidney) from a donor, either alive or just deceased, and the surgical grafting of the organ to a suitably evaluated and prepared patient.
o	Hospice care:	A program providing palliative care, chiefly medical relief of pain and supportive services, to terminally ill patients and assistance to their families in adjusting to the patient's illness and death.

NOTE: Inquiries regarding the AHA data or requests for additional AHA data must be directed to the Director of the American Hospital Association's Hospital Data Center at (312) 280-6000.

Following are HCFA's Medicare/Medicaid Automated Certification System (MMACS) definitions of each characteristic found on the hospital's summary page containing the 1986 and 1987 mortality rates and ranges. Please note that there are no specific definitions of the specialty services in MMACS, and the characteristics that appear are those reported by the hospital.

SURVEY AND YEAR: HCFA 19_		Source = Health Care Financing Administration MMACS Files
o	Total beds (#):	Total number of operational beds eligible for Medicare reimbursement.
o	Ownership/control:	Church; private; Federal, State, local government, or hospital district or authority; proprietary.

STAFFING:

o	Interns and residents:	Full-time equivalent (FTE) medical residents
o	Registered nurses:	Full-time equivalent (FTE) registered nurses
o	Licensed practical nurses:	Full-time equivalent (FTE) licensed practical nurses

o Organ transplant service:	The necessary staff and equipment to perform the surgical removal of a viable human organ (including kidney) from a donor, either alive or just deceased, and the surgical grafting of the organ to a suitably evaluated and prepared patient.
o Hospice care:	A program providing palliative care, chiefly medical relief of pain and supportive services, to terminally ill patients and assistance to their families in adjusting to the patient's illness and death.

Table 1

STATES BY REGION	LOCATION OF HCFA REGIONAL OFFICE
Connecticut	Boston(I)
Maine	
Massachusetts	
New Hampshire	
Rhode Island	
Vermont	
New Jersey	New York(II)
New York	
Puerto Rico	
Virgin Islands	
Delaware	Philadelphia(III)
District of Columbia	
Maryland	
Pennsylvania	
Virginia	
West Virginia	
Alabama	Atlanta(IV)
Florida	
Georgia	
Kentucky	
Mississippi	
North Carolina	
South Carolina	
Tennessee	
Illinois	Chicago (V)
Indiana	
Michigan	
Minnesota	
Ohio	
Wisconsin	
Arkansas	Dallas (VI)
Louisiana	
New Mexico	
Oklahoma	
Texas	

Table 1 (Cont.)

STATES BY REGION	LOCATION OF HCFA REGIONAL OFFICE
Iowa Kansas Missouri Nebraska	Kansas City(VII)
Colorado Montana North Dakota South Dakota Utah Wyoming	Denver(VIII)
American Samoa/Guam Arizona California Hawaii Nevada	San Francisco(IX)
Alaska Idaho Oregon Washington	Seattle(X)

Table 2

DIAGNOSTIC CATEGORY	ICD-9-CM CODES
High Risk	
Cancer	141, 147, 150-151, 156-159, 162.2-164, 171.5, 171.8, 171.9, 172.8, 179, 180.9 183, 189.0, 191, 192.2, 195, 196.1-196.2, 196.8, 197.0-197.2, 197.4-197.8, 198.0- 198.1, 198.3-198.8, 199-208
Cerebrovascular Accidents	430-432, 433.0, 434, 436
Severe Acute Heart Disease	410, 415, 421.0, 421.9, 423.0-423.2, 427.4-427.5, 441.0, 441.1, 441.3, 441.5, 444.1, 447.2, 785.5
Severe Chronic Heart Disease	397, 398.91, 416, 425.0, 425.2-425.4, 426.89, 428, 429.5-429.9, 441.2, 442.2, 453.2
Gastrointestinal Catastrophes	452, 453.0, 456.0, 456.20, 530.4, 530.8, 531.1-531.2, 531.5-531.6, 532.1-532.2, 532.5-532.6, 533.1-533.2, 533.5-533.6, 534.1-534.2, 534.5-534.6, 551, 557.0, 558.2, 560.0, 560.2, 560.89, 567, 569.83, 570, 571.2, 571.5-571.6, 572.2-572.4, 572.8
Metabolic/ Electrolyte Disorders	250.2-250.3, 260-263, 273, 275.4, 276.0, 276.2, 276.4-276.5, 277.3
Pulmonary Disease	481, 482.0-482.1, 482.3-482.9, 485-486, 500-505, 507, 508.0, 510, 511.1-511.9, 512-516.0, 518.0-518.1, 518.4, 518.5, 519.2-519.3
Renal Failure	584-586
Infectious Disease	018, 027.0, 036, 038, 040, 046-048, 049.0-049.1, 054, 060, 070.0, 070.2, 070.4, 070.6, 112, 116-117, 136.3, 320-320.7
Severe Trauma	806.0-806.1, 807.4, 851-853, 861.0-861.1, 861.3, 864, 868-869, 875.1, 901-902, 933.1, 934, 946.3-946.5, 948.4-948.9, 958.4

Table 2 (cont.)

DIAGNOSTIC CATEGORY	ICD-9-CM CODES
Low-Risk	
Neuropsychiatric/Sensory Disease	290-292, 293.1-293.9, 294-309, 311-319, 331.1-331.9, (excluding 331.7), 332-334 (excluding 334.4), 337 (excluding 337.1), 340, 342-343, 344.2-344.9, 345.0-345.2, 345.4-345.9, 346-347, 348.0, 350-358 (excluding 357.1-357.4 and 358.1), 360-389
Gynecologic Disease	614-627 (excluding 619.1)
Low-Risk Heart Disease	390, 393, 401, 402.00, 402.10, 402.90, 405, 411.1-411.8, 413-414, 417, 420.9, 422.9, 425.1, 426.1-426.7, 426.81, 427.0, 427.2-427.3, 427.6, 427.8-427.9, 429.4, 433.1-433.9, 435, 437.2, 442.0-442.1, 442.3-442.9, 447.0-447.1, 447.3-447.9, 448, 451, 453.1, 453.8-453.9, 454-455, 456.3-456.6, 457.0-457.1, 457.9, 458.0
Gastrointestinal Disease	520-527, 528.2, 528.4-528.9, 529, 530.0-530.3, 530.5-530.7, 530.9, 531.3, 531.7-531.9, 532.3, 532.7-532.9, 533.3, 533.7-533.9, 534.3, 534.7-534.9, 535-536, 537.1-537.2, 537.5-537.6, 537.81, 537.9, 540-543, 550, 552, 558.1, 558.9, 562-566, 568, 569.0-569.2, 569.4-569.6, 569.9, 571.8-571.9, 574.00, 574.10, 574.20, 574.30, 574.40, 574.50, 575.0-575.3, 575.5-575.6, 575.9, 576.0, 576.9, 577.1, 577.9, 579
Urologic Disease	582-583, 588-589, 590.1, 590.8-590.9, 592, 594-595, 596.0, 596.2-596.5, 596.7-596.9, 597-598, 599.1-599.9, 600-606, 607.0-607.1, 607.3-607.9, 608.0-608.3, 608.8-608.9

Table 2 (cont.)

DIAGNOSTIC CATEGORY	ICD-9-CM CODES
Musculoskeletal/Skin Conditions	680-686, 690-698, 700-706, 707.1-707.9, 708-709, 710.0, 710.2-710.9, 714.0-714.4, 714.89, 714.9, 715-744, 746-758, 800.0, 800.5, 801.0, 801.5, 802, 805, 806.2-806.9, 807.00-807.06, 807.1-807.3, 807.5-807.6, 808-819, 822-838, 839.1-839.9, 840-848, 850, 854.00-854.04, 854.06-854.09, 861.2, 862, 867.1, 867.3-867.9, 870-874, 875.0, 876-887, 890-897, 905-929

The number of digits in the code indicated is important in identifying the included diagnoses. If a 3 digit code is given, all diagnoses with the first three digits indicated are included. Thus, if there is a 4th and 5th digit subclassification for the code, diagnoses with these 4th and 5th digits are included.

If a 4 digit code is given, all diagnoses with the first four digits indicated are included. Additionally, if there is a 5th digit subclassification for the code, the diagnoses with the first four digits indicated and any of the 5th digits are included. Codes specified to the 5th digit were defined with greater clinical detail and include only that diagnosis.

Where a range of codes are specified (such as 290-292) all diagnoses through 292 are included. The rules for interpreting what is included in the 3 digit code of 292 are indicated above.

Table 3

COMORBIDITY	ICD-9-CM CODES
Cancer	141-160.9, 162-172.9, 174-208.9
Chronic Liver Disease	571-572.8
Chronic Renal Disease	582-583.9, 585-587
Chronic Cardiovascular Disease	412-414.9, 426-429.1
Chronic Pulmonary Disease	491-493.9, 496
Cerebrovascular Degeneration/ Chronic Psychosis	290-290.9, 294-299.9
Hypertensive Disease	402-405.99
Diabetes	250.01, 250.1-250.9

(A comorbidity is taken to be present if its ICD-9-CM code appears on the bill as any one of the up to four additional diagnoses beyond the principal diagnosis.)

ALLEN CO WAR MEMORIAL HOSP

HILLVIEW DR BOX 285
SCOTTSVILLE, KY 42164

Medicare Hospital Provider Number: 180075

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	302	14	8 - 16	328	12	8 - 16
Cancer	0	-	-	2	100	11 - 98
Cerebrovascular Accidents	10	50	6 - 64	10	40	8 - 65
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	2	0	0 - 93	5	60	6 - 78
Metabolic/Electrolyte Disorders	35	17	10 - 41	34	21	7 - 41
Pulmonary Disease	31	23	9 - 41	32	9	12 - 37
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	7	43	10 - 74	11	45	14 - 68
Severe Chronic Heart Disease	18	56	7 - 52	20	25	12 - 50
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	25	0	0 - 28	38	3	0 - 25
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	35	6	0 - 41	37	5	0 - 31
Musculoskeletal/Skin Conditions	28	0	0 - 37	31	6	0 - 58
Neuropsychiatric/Sensory Disease	11	0	0 -100	17	6	0 - 95
Urologic Disease	13	0	0 - 88	15	0	0 - 84

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 52
Occupancy Rate (%): 36
Ownership/Control: Local Government

STAFFING

Total Number of Physicians: 6
Percent of Physicians Who Are Board Certified Specialists: 83
Interns and Residents: 0
Registered Nurses: 14
Licensed Practical Nurses: 16

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

ARH REGIONAL MEDICAL CENTER

100 MEDICAL CENTER DRIVE
HAZARD, KY 41701

Medicare Hospital Provider Number: 180029

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,429	15	13 - 18	1,140	13	12 - 17
Cancer	31	42	28 - 64	25	56	25 - 64
Cerebrovascular Accidents	56	30	18 - 43	46	22	19 - 45
Gastrointestinal Catastrophes	7	43	7 - 72	4	25	3 - 80
Infectious Disease	32	53	24 - 60	29	48	22 - 61
Metabolic/Electrolyte Disorders	25	32	9 - 49	21	5	10 - 39
Pulmonary Disease	160	31	26 - 43	112	22	19 - 38
Renal Failure	6	50	15 - 86	9	56	15 - 80
Severe Acute Heart Disease	89	38	29 - 51	61	38	26 - 51
Severe Chronic Heart Disease	67	28	15 - 37	80	19	13 - 32
Severe Trauma	1	100	1 - 97	0	-	-
Gastrointestinal Disease	110	3	1 - 10	80	4	1 - 13
Gynecologic Disease	2	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	176	5	1 - 9	135	2	2 - 8
Musculoskeletal/Skin Conditions	88	3	1 - 12	44	2	0 - 29
Neuropsychiatric/Sensory Disease	46	2	0 - 25	51	0	0 - 15
Urologic Disease	88	5	0 - 21	56	0	0 - 11

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	208
Occupancy Rate (%):	58
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	40
Percent of Physicians Who Are Board Certified Specialists:	57
Interns and Residents:	0
Registered Nurses:	94
Licensed Practical Nurses:	81

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BAPTIST HOSP E

4000 KRESGE WAY
LOUISVILLE, KY 40207

Medicare Hospital Provider Number: 180130

Diagnostic Category	**Calender Year 1987**			**Calender Year 1986**		
	Cases	**Actual Mortality Rate (%)**	**Range For Predicted Mortality (%)**	**Cases**	**Actual Mortality Rate (%)**	**Range For Predicted Mortality (%)**
All Cases	2,859	11	9 - 13	2,739	11	9 - 14
Cancer	100	33	28 - 51	89	30	28 - 51
Cerebrovascular Accidents	102	27	18 - 37	106	35	18 - 38
Gastrointestinal Catastrophes	15	40	15 - 64	23	39	13 - 55
Infectious Disease	26	27	17 - 54	28	21	16 - 50
Metabolic/Electrolyte Disorders	27	52	9 - 50	23	17	8 - 45
Pulmonary Disease	181	31	19 - 36	170	28	18 - 36
Renal Failure	12	42	17 - 78	9	22	12 - 74
Severe Acute Heart Disease	103	43	28 - 49	112	40	27 - 47
Severe Chronic Heart Disease	118	31	18 - 36	128	23	14 - 31
Severe Trauma	5	40	4 - 78	5	20	5 - 75
Gastrointestinal Disease	314	2	2 - 6	284	2	1 - 6
Gynecologic Disease	43	0	0 - 95	34	0	0 -100
Low-Risk Heart Disease	347	4	1 - 6	277	3	2 - 6
Musculoskeletal/Skin Conditions	260	2	1 - 6	241	4	1 - 7
Neuropsychiatric/Sensory Disease	86	1	0 - 12	100	1	0 - 9
Urologic Disease	109	2	0 - 14	112	4	0 - 15

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1988

Total Beds (#): 445
Ownership/Control: Church

STAFFING

Interns and Residents: 0
Registered Nurses: 330
Licensed Practical Nurses: 12

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: Yes

Baptist
Hospital
East

Baptist
Hospital
Highlands

COMMENTS ON HCFA MORTALITY DATA

BAPTIST HOSPITAL EAST
Louisville, Ky. 40207

Provider #: 180130

A review of the HCFA Mortality statistics indicates that the mortality rate at Baptist Hospital East is within the predicted range in all but one of the categories. Individual cases in the categories were reviewed to verify the data. Verification of death post discharge is difficult and may or may not be related to the most recent hospitalization.

In the Metabolic/Electrolyte Disturbances Category there were 27 total cases; of these 11 deaths occurred in the hospital and 3 occurred after discharge, but within 30 days. A detailed analysis of these cases reveals that 64% of the patients were admitted in severe dehydration; 64% of the patients were admitted from a nursing home; 43% of the patients were admitted in a terminal or pre-terminal condition and the decision was made not to attempt any heroic measures in these patients; and 71% of the patients had severe underlying diseases. The average age of those who died was 84 years old. The review of these patients'medical records indicates that the deaths were anticipated and all appropriate measures were taken to prevent the death.

A review of other cases included in the study demonstrates that appropriate care was given to these patients who in the majority of situations were chronically ill and had multiple admissions to this hospital.

A part of the on-going Quality Assurance program at Baptist Hospital East is the review of individual mortality cases on a routine bases to ascertain that the patients are receiving a high quality care. A review of mortality statistics is not entirely indicative of the quality of medical care rendered in an elderly population with chronic and acute illnesses, many of whom had requested that no heroic measures be taken to prolong their lives. From our review of individual cases, we have determined that our patients are receiving adequate, appropriate, high quality care.

BAPTIST HOSP HIGHLANDS

810 BARRET AVE
LOUISVILLE, KY 40204

Medicare Hospital Provider Number: 180100

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	566	18	12 - 19	1,040	15	12 - 18
Cancer	38	58	28 - 61	68	50	32 - 59
Cerebrovascular Accidents	16	19	10 - 50	39	23	14 - 42
Gastrointestinal Catastrophes	3	33	2 - 86	7	14	7 - 65
Infectious Disease	4	50	13 - 89	11	45	16 - 71
Metabolic/Electrolyte Disorders	20	25	9 - 51	21	33	9 - 52
Pulmonary Disease	44	34	17 - 46	71	27	16 - 39
Renal Failure	4	75	12 - 88	5	60	12 - 87
Severe Acute Heart Disease	23	35	21 - 59	36	31	26 - 57
Severe Chronic Heart Disease	36	25	13 - 42	53	19	15 - 38
Severe Trauma	1	0	0 - 98	2	50	2 - 92
Gastrointestinal Disease	38	5	0 - 36	54	6	0 - 22
Gynecologic Disease	7	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	46	13	1 - 32	133	4	1 - 10
Musculoskeletal/Skin Conditions	34	3	0 - 25	63	3	1 - 15
Neuropsychiatric/Sensory Disease	18	11	0 - 73	25	20	0 - 60
Urologic Disease	23	0	0 - 48	45	2	0 - 36

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	286
Ownership/Control:	Church

STAFFING

Interns and Residents:	0
Registered Nurses:	134
Licensed Practical Nurses:	9

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	Yes
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	Yes

Baptist
Hospital
East

Baptist
Hospital
Highlands

COMMENTS ON HCFA MORTALITY DATA

BAPTIST HOSPITAL HIGHLANDS
Louisville, Ky. 40204

Provider #: 180100

A review of the HCFA mortality statistics show that mortality rates are within the predicted range for all categories listed. An analysis of selected individual cases indicates that the majority of these patients had multiple underlying diseases which contributed to their death. Additionally, 75% of these patients had multiple admissions to Baptist Hospital Highlands. In an elderly population with chronic and acute illnesses, many of whom had requested that no heroic measures be taken to prolong their lives, a review of mortality statistics is not indicative entirely of the quality of medical care rendered.

A part of the on-going Quality Assurance Program at Baptist Hospital Highlands is the review of individual mortality cases on a routine basis to ascertain that patients are receiving a high quality of care. From this review we have determined that our patients are receiving adequate, appropriate care.

BAPTIST REGIONAL MEDICAL CENTER

1 TRILLIUM WAY
CORBIN, KY 40701

Medicare Hospital Provider Number: 180080

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,617	11	10 - 14	1,541	12	10 - 15
Cancer	37	54	34 - 67	28	57	28 - 66
Cerebrovascular Accidents	47	32	19 - 47	35	34	19 - 51
Gastrointestinal Catastrophes	11	55	12 - 67	9	44	8 - 68
Infectious Disease	17	29	16 - 60	41	27	21 - 52
Metabolic/Electrolyte Disorders	53	9	11 - 36	41	24	13 - 45
Pulmonary Disease	70	26	18 - 40	71	25	16 - 39
Renal Failure	5	40	11 - 85	7	86	21 - 85
Severe Acute Heart Disease	53	45	27 - 55	71	48	29 - 53
Severe Chronic Heart Disease	79	30	14 - 36	70	27	15 - 37
Severe Trauma	4	0	8 - 73	0	-	-
Gastrointestinal Disease	158	1	2 - 7	178	3	1 - 8
Gynecologic Disease	11	0	0 -100	15	0	0 -100
Low-Risk Heart Disease	267	4	2 - 7	242	3	1 - 7
Musculoskeletal/Skin Conditions	128	1	1 - 7	107	1	1 - 7
Neuropsychiatric/Sensory Disease	29	0	0 - 50	49	0	0 - 14
Urologic Disease	71	3	0 - 21	80	0	1 - 8

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	210
Occupancy Rate (%):	68
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	51
Percent of Physicians Who Are Board Certified Specialists:	88
Interns and Residents:	0
Registered Nurses:	120
Licensed Practical Nurses:	61

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

BEREA HOSP

ESTILL ST
BEREA, KY 40403

Medicare Hospital Provider Number: 180055

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	552	10	8 - 14	557	10	9 - 15
Cancer	7	57	9 - 74	12	42	21 - 73
Cerebrovascular Accidents	10	30	8 - 62	20	30	16 - 55
Gastrointestinal Catastrophes	4	75	3 - 80	5	40	3 - 78
Infectious Disease	7	14	11 - 68	10	20	16 - 67
Metabolic/Electrolyte Disorders	8	0	4 - 50	8	0	8 - 52
Pulmonary Disease	54	22	18 - 42	38	16	12 - 38
Renal Failure	2	100	4 - 89	2	100	11 - 97
Severe Acute Heart Disease	17	47	20 - 65	28	61	24 - 60
Severe Chronic Heart Disease	21	10	14 - 43	15	7	10 - 43
Severe Trauma	0	-	-	1	0	0 - 97
Gastrointestinal Disease	50	2	0 - 19	56	4	0 - 24
Gynecologic Disease	2	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	67	1	1 - 11	76	0	1 - 7
Musculoskeletal/Skin Conditions	45	0	1 - 12	36	0	0 - 19
Neuropsychiatric/Sensory Disease	25	0	0 - 85	19	11	0 - 49
Urologic Disease	31	0	0 - 52	20	5	1 - 39

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	110
Occupancy Rate (%):	59
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	33
Percent of Physicians Who Are Board Certified Specialists:	67
Interns and Residents:	0
Registered Nurses:	42
Licensed Practical Nurses:	17

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BOURBON GENERAL HOSP

9 LINVILLE DR
PARIS, KY 40361

Medicare Hospital Provider Number: 180046

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	382	15	9 - 17	432	12	10 - 17
Cancer	11	91	31 - 73	10	30	17 - 71
Cerebrovascular Accidents	13	38	9 - 59	16	6	11 - 42
Gastrointestinal Catastrophes	2	100	11 - 96	2	0	5 - 89
Infectious Disease	5	40	10 - 81	6	50	9 - 77
Metabolic/Electrolyte Disorders	11	18	9 - 58	7	43	4 - 71
Pulmonary Disease	28	14	10 - 40	27	15	10 - 41
Renal Failure	0	-	-	2	100	11 - 98
Severe Acute Heart Disease	9	33	14 - 71	20	40	21 - 63
Severe Chronic Heart Disease	29	38	9 - 45	35	20	11 - 39
Severe Trauma	0	-	-	1	100	1 - 97
Gastrointestinal Disease	29	7	0 - 46	32	3	0 - 28
Gynecologic Disease	2	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	50	4	1 - 17	60	2	1 - 12
Musculoskeletal/Skin Conditions	21	0	0 - 45	21	5	0 - 66
Neuropsychiatric/Sensory Disease	9	0	0 - 81	20	10	0 - 66
Urologic Disease	10	10	0 - 99	12	0	0 - 90

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	60
Occupancy Rate (%):	28
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	12
Percent of Physicians Who Are Board Certified Specialists:	92
Interns and Residents:	0
Registered Nurses:	26
Licensed Practical Nurses:	8

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Bourbon General Hospital

Medicare Provider Number
180046

October 21, 1988

William L. Roper, M.D.
Administrator
Health Care Financing Administration
Department of Health and Human Services
Washington, D.C. 20201

Dear Dr. Roper:

Thank you for the opportunity to comment on the upcoming release of selected mortality information. Attached please find comments that I believe are appropriate to include with the selective data relative to our facility.

Please contact me if I can provide additional assistance or information.

Sincerely,

Gerald A. Fornoff
Administrator

GAF/aht

#9 Linville Drive
Paris, Kentucky 40361
Telephone (606) 987-3600

HEALTHTRUST INC. The Hospital Company

COMMENTS ON THE HFCA MORTALITY DATA
HEALTHTRUST, INC.
BOURBON GENERAL HOSPITAL
PARIS, KENTUCKY

DATA VERIFICATION:

Bourbon General Hospital, with justification, falls well within the range of predicted mortality rates on all sixteen diagnostic categories. The data provided by HCFA indicates a total of 57 Medicare patients admitted to Bourbon General Hospital died within 30 days of admission. According to the HCFA data base, 39 patients died while still a patient in Bourbon General Hospital with 18 patients deceased after discharge. Our own hospital records indicate a total of 686 Medicare admissions in 1987 as opposed to the 382 cases denoted in HCFA statistics. Once again this must not reflect multiple admissions of individual beneficiaries to Bourbon General Hospital as well as other facilities. Our own records indicate that of the 57 Medicare patients who died within 30 days of admission, 18 were still alive at the time of discharge (32%).

INTERPRETIVE REMARKS:

Although as noted above the hospital's actual mortality rate falls within the range of predicted mortality rates, there are two diagnostic categories that merit comment: 1) Cancer. Of the total 10 expired patients, two were alive at discharge from our facility. Furthermore the average age of the 8 patients who expired in our facility was 71. 90% of the cancer patients who expired included diagnoses of longstanding carcinoma with metastases to one of more areas of the body. All deaths were expected in this mortality group. 2) Gastrointestinal Catastrophes. There was a total of two patients in this group who expired in this facility. Average age of patients was 72 with gastrointestinal diagnoses as a direct result of severe chronic illnesses with multisystem failure. Deaths were expected.

1) Bourbon General Hospital, with justification, was well within the acceptable range of predicted mortality rates in all categories for both 1987 and 1986.

2) Of the 57 deaths stated to have occurred within 30 days of admission, 32% of them occurred after discharge from our facility.

HOSPITAL CHARACTERISTICS:

Upon reviewing the AHA 1986 hospital characteristics it should be noted that both the 1987 and 1988 AHA manual reflects the number of beds for Bourbon General Hospital to be 60; this will positively effect the expressed percentage of mortality data.

Another question arose under Specialty Services with our hospital listed for NO Coronary Care Unit. Our hospital has 4 beds designated as Intensive/Coronary Care Unit beds. We would like to call this to your attention for future reference on Medicare Hospital Mortality Information statistics.

BRECKINRIDGE MEMORIAL HOSP

RT 1 BOX 133A
HARDINSBURG, KY 40143

Medicare Hospital Provider Number: 180094

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	395	20	11 - 19	492	13	10 - 17
Cancer	11	73	29 - 80	15	73	26 - 71
Cerebrovascular Accidents	32	47	15 - 49	32	28	16 - 48
Gastrointestinal Catastrophes	1	100	2 - 97	0	-	-
Infectious Disease	2	100	7 - 90	1	0	0 - 99
Metabolic/Electrolyte Disorders	14	14	8 - 52	12	25	9 - 59
Pulmonary Disease	38	42	14 - 46	74	8	15 - 32
Renal Failure	2	100	7 - 91	2	100	6 - 90
Severe Acute Heart Disease	13	77	17 - 63	16	44	17 - 63
Severe Chronic Heart Disease	28	25	10 - 44	26	31	11 - 47
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	32	6	0 - 58	44	0	1 - 12
Gynecologic Disease	2	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	55	2	1 - 14	66	8	0 - 23
Musculoskeletal/Skin Conditions	27	0	0 - 33	29	0	0 - 30
Neuropsychiatric/Sensory Disease	11	0	0 -100	14	0	0 - 81
Urologic Disease	14	21	0 - 79	18	0	0 - 72

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	45
Occupancy Rate (%):	42
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	8
Percent of Physicians Who Are Board Certified Specialists:	25
Interns and Residents:	0
Registered Nurses:	15
Licensed Practical Nurses:	5

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

CALDWELL COUNTY HOSP

101 HOSPITAL DR BOX 410
PRINCETON, KY 42445

Medicare Hospital Provider Number: 180054

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	470	16	11 - 18	541	21	12 - 19
Cancer	7	57	14 - 77	5	100	18 - 74
Cerebrovascular Accidents	17	24	14 - 55	39	44	16 - 47
Gastrointestinal Catastrophes	6	0	11 - 62	8	25	7 - 66
Infectious Disease	1	100	0 - 98	3	100	4 - 79
Metabolic/Electrolyte Disorders	14	21	8 - 55	33	12	7 - 37
Pulmonary Disease	57	32	16 - 42	66	33	18 - 43
Renal Failure	2	100	8 - 92	4	75	11 - 87
Severe Acute Heart Disease	15	53	19 - 67	26	46	22 - 60
Severe Chronic Heart Disease	40	25	12 - 40	40	30	12 - 41
Severe Trauma	1	0	0 - 97	2	0	2 - 89
Gastrointestinal Disease	29	7	0 - 54	23	9	0 - 90
Gynecologic Disease	1	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	54	4	1 - 17	60	3	1 - 15
Musculoskeletal/Skin Conditions	48	2	0 - 25	44	0	0 - 18
Neuropsychiatric/Sensory Disease	16	6	0 - 98	16	13	0 - 99
Urologic Disease	7	0	0 - 78	11	0	0 - 89

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	50
Occupancy Rate (%):	36
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	5
Percent of Physicians Who Are Board Certified Specialists:	80
Interns and Residents:	0
Registered Nurses:	24
Licensed Practical Nurses:	23

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Medicare Provider #18-0054

CALDWELL COUNTY HOSPITAL, INC.
P. O. BOX 410 - 101 HOSPITAL DRIVE
PRINCETON, KENTUCKY 42445
PHONE (502) 365-0300

October 21, 1988

Health Care Financing Administration
6325 Security Blvd.
Baltimore, MD 21207

Dear Sirs,

The mortality data we have received by HCFA indicates that a total of 101 Medicare patients admitted to Caldwell County Hospital died within 30 days of admission. Our study shows that 84 died while still a patient in our hospital and 16 died after discharge. Also, we have no record of the admission of one patient death assigned to our facility.

After reviewing the mortality study we do not feel the data is meaningful because patient deaths are grouped in categories according to principal final diagnosis and not grouped by cause of death. Also, it is impossible for us to follow up on deaths occurring outside our facility to determine if there are extenuating circumstances.

In conclusion, we do not feel that the mortality study released by HCFA provides any pertinent, justified or statistically relevant information to Health Care Providers nor the general public. The inadequacy of the data is further compounded by not including nor adjusting for social and environmental concerns, (i.e. lack of nursing home beds in an area which tends to increase the mortality rate in health care institutions).

Sincerely,

John F. Ling, Jr.

John F. Ling, Jr.
Administrator

CARROLL CO MEMORIAL HOSP

309 11 ST
CARROLLTON, KY 41008

Medicare Hospital Provider Number: 180042

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	280	16	10 - 20	338	10	9 - 16
Cancer	1	100	3 - 99	0	-	-
Cerebrovascular Accidents	10	30	9 - 63	19	32	8 - 50
Gastrointestinal Catastrophes	2	50	7 - 96	0	-	-
Infectious Disease	1	0	0 - 98	4	50	7 - 84
Metabolic/Electrolyte Disorders	16	25	5 - 52	25	8	7 - 38
Pulmonary Disease	56	30	15 - 41	61	13	14 - 35
Renal Failure	0	-	-	1	100	1 - 97
Severe Acute Heart Disease	9	56	9 - 68	5	40	7 - 78
Severe Chronic Heart Disease	19	21	10 - 48	14	21	7 - 52
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	17	0	0 - 65	25	4	0 - 57
Gynecologic Disease	2	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	26	4	0 - 50	31	3	0 - 37
Musculoskeletal/Skin Conditions	26	0	0 - 58	33	3	0 - 43
Neuropsychiatric/Sensory Disease	11	0	0 - 83	15	0	0 - 97
Urologic Disease	9	0	0 - 86	11	9	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	49
Occupancy Rate (%):	37
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	8
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	0
Registered Nurses:	20
Licensed Practical Nurses:	6

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

CASEY CO WAR MEMORIAL HOSP-

RT 2 BOX 569A
LIBERTY, KY 42539

Medicare Hospital Provider Number: 180062

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	112	15	9 - 23	192	11	10 - 20
Cancer	2	100	8 - 91	3	67	12 - 93
Cerebrovascular Accidents	7	29	8 - 70	13	38	10 - 61
Gastrointestinal Catastrophes	0	-	-	1	0	0 - 98
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	13	38	12 - 64	4	25	4 - 80
Pulmonary Disease	9	33	4 - 64	28	21	15 - 47
Renal Failure	2	100	9 - 93	0	-	-
Severe Acute Heart Disease	5	20	10 - 77	4	50	11 - 86
Severe Chronic Heart Disease	2	0	1 - 89	5	0	5 - 63
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	6	0	0 - 99	16	0	0 - 72
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	28	4	0 - 45	34	3	0 - 25
Musculoskeletal/Skin Conditions	3	0	0 -100	16	0	0 - 98
Neuropsychiatric/Sensory Disease	6	0	0 -100	6	0	0 -100
Urologic Disease	2	0	0 - 99	5	0	1 - 69

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 24
Occupancy Rate (%): 25
Ownership/Control: District/Authority

STAFFING

Total Number of Physicians: 4
Percent of Physicians Who Are Board Certified Specialists: 25
Interns and Residents: 0
Registered Nurses: 7
Licensed Practical Nurses: 6

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

CAVERNA MEMORIAL HOSP

S 31 W BOX 120
HORSE CAVE, KY 42729

Medicare Hospital Provider Number: 180118

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	286	13	11 - 19	272	20	10 - 20
Cancer	3	33	9 - 89	5	80	10 - 77
Cerebrovascular Accidents	11	45	7 - 62	18	28	9 - 51
Gastrointestinal Catastrophes	1	0	0 - 98	0	-	-
Infectious Disease	1	0	1 - 97	3	67	5 - 87
Metabolic/Electrolyte Disorders	20	15	12 - 49	14	57	16 - 66
Pulmonary Disease	32	16	13 - 41	36	22	11 - 41
Renal Failure	0	-	-	3	100	12 - 87
Severe Acute Heart Disease	24	50	24 - 63	19	63	17 - 59
Severe Chronic Heart Disease	21	14	8 - 42	10	20	7 - 58
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	22	0	0 - 35	15	7	0 - 99
Gynecologic Disease	1	0	0 -100	0	-	-
Low-Risk Heart Disease	38	0	1 - 13	38	5	0 - 63
Musculoskeletal/Skin Conditions	24	4	0 - 58	13	8	0 - 99
Neuropsychiatric/Sensory Disease	9	11	0 -100	10	0	0 -100
Urologic Disease	8	0	0 -100	5	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 30
Occupancy Rate (%): 43
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 13
Percent of Physicians Who Are Board Certified Specialists: 77
Interns and Residents: 0
Registered Nurses: 8
Licensed Practical Nurses: 11

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

CENTRAL BAPTIST HOSP-

1740 S LIMESTONE
LEXINGTON, KY 40503

Medicare Hospital Provider Number: 180103

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,520	11	10 - 14	2,506	11	10 - 14
Cancer	103	33	27 - 50	106	33	27 - 50
Cerebrovascular Accidents	98	30	19 - 39	91	26	19 - 39
Gastrointestinal Catastrophes	16	50	14 - 63	33	24	20 - 54
Infectious Disease	22	45	16 - 59	14	50	18 - 68
Metabolic/Electrolyte Disorders	23	39	8 - 50	20	15	7 - 45
Pulmonary Disease	123	16	18 - 34	124	26	19 - 38
Renal Failure	34	9	10 - 55	34	32	15 - 65
Severe Acute Heart Disease	110	40	27 - 47	98	42	31 - 53
Severe Chronic Heart Disease	82	18	16 - 34	89	29	17 - 37
Severe Trauma	6	0	7 - 60	5	0	3 - 66
Gastrointestinal Disease	165	3	1 - 8	162	3	1 - 8
Gynecologic Disease	45	0	0 - 99	32	0	0 -100
Low-Risk Heart Disease	313	4	2 - 7	310	4	2 - 7
Musculoskeletal/Skin Conditions	268	4	1 - 7	241	1	1 - 5
Neuropsychiatric/Sensory Disease	51	4	0 - 23	69	6	1 - 19
Urologic Disease	109	1	0 - 9	130	2	0 - 12

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	383
Occupancy Rate (%):	64
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	185
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	264
Licensed Practical Nurses:	27

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

CENTRAL BAPTIST HOSPITAL
Where your needs are Central

Dan H. Akin
President

October 11, 1988

Sandra Kappert
Health Standards and Quality Bureau, HCFA
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Ms. Kappert:

In regards to the Medicare Hospital Mortality Information, we found the following errors in the hospital characteristics for the year 1986:

Number of beds	297
Occupancy Rate	71%
Total Number of Physicians	193
Organ Transplant Service	no

Sincerely,

Dan H. Akin
President

sjb

1740 SOUTH LIMESTONE STREET • LEXINGTON, KENTUCKY 40503 • (606) 275-6100

CLARK CO HOSP

1107 W LEXINGTON AVE
WINCHESTER, KY 40391

Medicare Hospital Provider Number: 180092

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	765	11	9 - 15	785	10	10 - 16
Cancer	14	71	22 - 69	10	50	14 - 71
Cerebrovascular Accidents	23	39	12 - 51	23	13	14 - 45
Gastrointestinal Catastrophes	3	67	7 - 88	2	50	0 - 94
Infectious Disease	9	44	16 - 74	17	24	23 - 65
Metabolic/Electrolyte Disorders	20	15	6 - 45	30	13	10 - 41
Pulmonary Disease	62	18	16 - 38	69	20	17 - 39
Renal Failure	4	50	8 - 87	3	67	10 - 92
Severe Acute Heart Disease	25	48	23 - 61	33	45	26 - 60
Severe Chronic Heart Disease	42	14	11 - 34	49	16	13 - 36
Severe Trauma	2	50	1 - 93	3	0	4 - 79
Gastrointestinal Disease	59	0	1 - 10	63	0	1 - 9
Gynecologic Disease	3	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	90	1	1 - 8	102	3	1 - 10
Musculoskeletal/Skin Conditions	60	2	0 - 22	56	2	0 - 24
Neuropsychiatric/Sensory Disease	21	0	0 - 49	23	0	0 - 94
Urologic Disease	22	0	0 - 28	28	0	0 - 62

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	100
Occupancy Rate (%):	48
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	30
Percent of Physicians Who Are Board Certified Specialists:	60
Interns and Residents:	0
Registered Nurses:	66
Licensed Practical Nurses:	19

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

CLINTON CO WAR MEM HOSP

PO BOX 387
ALBANY, KY 42602

Medicare Hospital Provider Number: 180106

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	302	12	8 - 16	366	14	10 - 18
Cancer	8	88	25 - 77	7	57	20 - 83
Cerebrovascular Accidents	4	50	7 - 83	9	44	10 - 68
Gastrointestinal Catastrophes	1	100	1 - 97	1	0	0 - 99
Infectious Disease	3	100	12 - 84	6	50	14 - 81
Metabolic/Electrolyte Disorders	11	18	7 - 57	12	25	10 - 60
Pulmonary Disease	14	29	12 - 58	16	38	11 - 58
Renal Failure	1	100	2 -100	2	100	10 - 95
Severe Acute Heart Disease	12	58	21 - 72	11	45	18 - 72
Severe Chronic Heart Disease	15	20	10 - 52	22	45	11 - 52
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	15	7	0 - 75	19	0	0 - 40
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	69	0	2 - 8	61	2	1 - 12
Musculoskeletal/Skin Conditions	32	0	0 - 24	30	3	1 - 27
Neuropsychiatric/Sensory Disease	11	9	0 - 99	22	5	0 - 68
Urologic Disease	10	0	1 - 44	13	0	2 - 34

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 42
Occupancy Rate (%): 71
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: (not available)
Percent of Physicians Who Are Board Certified Specialists: (not available)
Interns and Residents: (not available)
Registered Nurses: (not available)
Licensed Practical Nurses: (not available)

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

CLINTON COUNTY
HOSPITAL
723 BURKESVILLE ROAD, P.O. BOX 387, ALBANY, KENTUCKY 42602
PHONE 606/387-6421

BRYSON S. SMITH
ADMINISTRATOR

October 18, 1988

Department of Health & Human Services
Health Care Financing Administration
Tim Greene
6325 Security Blvd.
Baltimore, Maryland 21207

Dear Mr. Greene:

Please make the enclosed corrections pertaining to Clinton County Hospital mortality information.

Questions in regard to this subject should be brought to the attention of the acting administrator, Dr. Randel Flowers.

Sincerely,

Deborah B. Craft

Deborah B. Craft
Administrative Assistant

COMMUNITY HOSP

206 W SOUTH ST
MAYFIELD, KY 42066

Medicare Hospital Provider Number: 180116

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,061	13	12 - 17	1,172	14	11 - 17
Cancer	23	57	25 - 65	34	62	32 - 67
Cerebrovascular Accidents	40	22	15 - 42	48	42	16 - 45
Gastrointestinal Catastrophes	7	29	6 - 70	4	0	6 - 71
Infectious Disease	26	35	18 - 56	18	44	19 - 64
Metabolic/Electrolyte Disorders	12	8	12 - 54	15	27	8 - 55
Pulmonary Disease	89	21	19 - 39	97	22	18 - 38
Renal Failure	10	60	16 - 79	7	71	22 - 89
Severe Acute Heart Disease	61	43	30 - 56	54	50	29 - 57
Severe Chronic Heart Disease	55	25	14 - 38	70	26	16 - 38
Severe Trauma	2	50	0 - 96	1	0	0 - 98
Gastrointestinal Disease	92	1	1 - 9	96	4	1 - 12
Gynecologic Disease	9	0	0 -100	9	0	0 -100
Low-Risk Heart Disease	114	7	1 - 13	145	4	1 - 10
Musculoskeletal/Skin Conditions	77	1	2 - 10	86	6	0 - 17
Neuropsychiatric/Sensory Disease	34	0	1 - 17	45	0	0 - 15
Urologic Disease	39	3	0 - 25	41	0	0 - 31

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	89
Occupancy Rate (%):	66
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

COMMUNITY UNITED METHODIST HOSP

1305 N ELM ST
HENDERSON, KY 42420

Medicare Hospital Provider Number: 180056

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,451	12	10 - 14	1,584	10	9 - 13
Cancer	38	50	22 - 55	25	56	25 - 64
Cerebrovascular Accidents	48	21	16 - 40	56	29	18 - 43
Gastrointestinal Catastrophes	7	43	7 - 72	6	50	10 - 78
Infectious Disease	12	50	11 - 65	15	27	16 - 62
Metabolic/Electrolyte Disorders	12	17	4 - 54	16	19	8 - 51
Pulmonary Disease	150	23	16 - 33	154	15	17 - 32
Renal Failure	9	44	9 - 74	4	25	4 - 82
Severe Acute Heart Disease	55	47	25 - 53	59	39	24 - 50
Severe Chronic Heart Disease	103	25	17 - 36	81	16	15 - 32
Severe Trauma	1	0	0 - 98	1	0	0 - 99
Gastrointestinal Disease	118	2	1 - 8	138	4	1 - 10
Gynecologic Disease	13	0	0 -100	12	0	0 -100
Low-Risk Heart Disease	191	3	1 - 7	220	5	1 - 8
Musculoskeletal/Skin Conditions	128	2	0 - 9	146	4	0 - 13
Neuropsychiatric/Sensory Disease	55	2	0 - 44	66	2	0 - 20
Urologic Disease	64	2	0 - 15	72	1	0 - 16

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	213
Occupancy Rate (%):	52
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	51
Percent of Physicians Who Are Board Certified Specialists:	59
Interns and Residents:	0
Registered Nurses:	139
Licensed Practical Nurses:	53

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

CRITTENDEN CO HOSP

HIGHWAY 60 S BOX 386
MARION, KY 42064

Medicare Hospital Provider Number: 180095

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	434	18	16 - 24	419	19	17 - 26
Cancer	5	60	15 - 85	2	0	5 - 89
Cerebrovascular Accidents	12	50	9 - 62	14	36	13 - 60
Gastrointestinal Catastrophes	1	100	0 - 97	2	50	1 - 92
Infectious Disease	9	44	21 - 79	12	42	27 - 80
Metabolic/Electrolyte Disorders	54	19	16 - 43	29	7	21 - 48
Pulmonary Disease	53	36	23 - 51	61	43	20 - 47
Renal Failure	0	-	-	1	0	1 -100
Severe Acute Heart Disease	39	49	36 - 68	44	55	37 - 67
Severe Chronic Heart Disease	39	5	12 - 30	35	14	14 - 39
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	29	3	0 - 43	20	0	0 - 40
Gynecologic Disease	1	0	0 -100	0	-	-
Low-Risk Heart Disease	61	3	1 - 16	65	2	2 - 11
Musculoskeletal/Skin Conditions	22	5	0 - 70	20	0	0 - 64
Neuropsychiatric/Sensory Disease	11	0	0 - 94	17	0	1 - 33
Urologic Disease	18	6	0 - 50	21	19	0 - 57

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 37
Occupancy Rate (%): 62
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 8
Percent of Physicians Who Are Board Certified Specialists: 100
Interns and Residents: 0
Registered Nurses: 18
Licensed Practical Nurses: 7

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: No

CUMBERLAND CO HOSP

PO BOX 280
BURKESVILLE, KY 42717

Medicare Hospital Provider Number: 180108

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	377	9	12 - 19	395	10	11 - 18
Cancer	9	89	36 - 85	2	50	8 - 98
Cerebrovascular Accidents	12	25	14 - 62	11	27	10 - 61
Gastrointestinal Catastrophes	1	0	0 - 99	1	100	2 -100
Infectious Disease	2	0	9 - 92	3	33	10 - 91
Metabolic/Electrolyte Disorders	33	12	20 - 49	13	8	10 - 50
Pulmonary Disease	25	16	16 - 47	34	26	22 - 53
Renal Failure	2	50	5 - 94	0	-	-
Severe Acute Heart Disease	10	40	21 - 76	14	57	25 - 73
Severe Chronic Heart Disease	17	29	11 - 53	25	28	16 - 52
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	29	0	0 - 22	31	3	0 - 37
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	72	0	3 - 9	80	2	2 - 11
Musculoskeletal/Skin Conditions	23	0	0 - 35	28	4	0 - 38
Neuropsychiatric/Sensory Disease	24	4	0 - 79	25	0	0 - 25
Urologic Disease	20	5	0 - 65	15	0	0 - 39

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	31
Occupancy Rate (%):	81
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	9
Percent of Physicians Who Are Board Certified Specialists:	67
Interns and Residents:	0
Registered Nurses:	7
Licensed Practical Nurses:	12

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

EPHRAIM MCDOWELL REGIONAL MEDICAL CT

217 S 3RD ST
DANVILLE, KY 40422

Medicare Hospital Provider Number: 180048

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,402	13	8 - 13	1,265	12	8 - 13
Cancer	29	55	26 - 63	27	59	26 - 64
Cerebrovascular Accidents	49	33	14 - 41	31	29	11 - 44
Gastrointestinal Catastrophes	12	75	11 - 61	11	55	9 - 65
Infectious Disease	14	29	12 - 59	6	33	10 - 77
Metabolic/Electrolyte Disorders	16	13	11 - 50	16	25	7 - 53
Pulmonary Disease	97	30	17 - 38	108	18	15 - 34
Renal Failure	4	100	11 - 79	9	89	24 - 82
Severe Acute Heart Disease	52	42	24 - 52	39	33	23 - 53
Severe Chronic Heart Disease	44	20	10 - 36	51	35	13 - 40
Severe Trauma	2	50	1 - 93	4	0	6 - 72
Gastrointestinal Disease	136	4	1 - 10	119	3	1 - 9
Gynecologic Disease	11	0	0 -100	13	0	0 -100
Low-Risk Heart Disease	102	1	1 - 7	90	0	1 - 6
Musculoskeletal/Skin Conditions	159	1	1 - 7	145	2	0 - 9
Neuropsychiatric/Sensory Disease	40	2	0 - 46	41	0	0 - 20
Urologic Disease	100	4	0 - 29	77	0	0 - 9

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 151
Occupancy Rate (%): 58
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 47
Percent of Physicians Who Are Board Certified Specialists: 70
Interns and Residents: 18
Registered Nurses: 90
Licensed Practical Nurses: 67

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

FLAGET MEMORIAL HOSP

201 CATHEDRAL MANOR
BARDSTOWN, KY 40004

Medicare Hospital Provider Number: 180025

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	459	14	9 - 17	446	17	11 - 19
Cancer	6	33	11 - 77	1	100	1 - 97
Cerebrovascular Accidents	14	43	8 - 58	19	58	11 - 54
Gastrointestinal Catastrophes	4	75	7 - 81	5	80	8 - 76
Infectious Disease	5	40	3 - 78	5	40	10 - 81
Metabolic/Electrolyte Disorders	28	29	13 - 50	30	17	11 - 43
Pulmonary Disease	37	22	14 - 43	35	17	13 - 41
Renal Failure	1	0	0 - 97	0	-	-
Severe Acute Heart Disease	18	61	20 - 63	33	24	24 - 54
Severe Chronic Heart Disease	20	30	8 - 48	29	38	12 - 48
Severe Trauma	1	0	2 - 97	1	0	0 - 98
Gastrointestinal Disease	48	2	1 - 16	37	0	1 - 16
Gynecologic Disease	1	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	43	7	0 - 34	36	0	1 - 15
Musculoskeletal/Skin Conditions	39	0	0 - 21	24	0	0 - 42
Neuropsychiatric/Sensory Disease	10	0	0 - 98	12	0	0 - 88
Urologic Disease	17	6	0 - 57	14	7	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	52
Occupancy Rate (%):	54
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	33
Percent of Physicians Who Are Board Certified Specialists:	97
Interns and Residents:	0
Registered Nurses:	30
Licensed Practical Nurses:	6

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

FLEMING CO HOSP

920 ELIZAVILLE RD BOX 388
FLEMINGSBURG, KY 41041

Medicare Hospital Provider Number: 180053

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	453	11	12 - 18	480	12	12 - 19
Cancer	6	83	19 - 80	6	100	33 - 83
Cerebrovascular Accidents	19	21	11 - 49	14	43	8 - 58
Gastrointestinal Catastrophes	1	0	3 - 98	5	40	12 - 83
Infectious Disease	11	36	12 - 66	12	42	18 - 71
Metabolic/Electrolyte Disorders	17	6	10 - 44	34	15	14 - 44
Pulmonary Disease	48	19	20 - 44	43	12	10 - 33
Renal Failure	3	67	10 - 92	3	100	16 - 91
Severe Acute Heart Disease	17	12	24 - 58	18	22	23 - 62
Severe Chronic Heart Disease	37	35	13 - 44	47	26	20 - 45
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	38	0	0 - 18	25	8	1 - 36
Gynecologic Disease	1	0	0 -100	0	-	-
Low-Risk Heart Disease	58	2	1 - 13	46	0	1 - 11
Musculoskeletal/Skin Conditions	28	4	0 - 54	33	3	0 - 35
Neuropsychiatric/Sensory Disease	19	0	0 - 43	20	0	0 - 48
Urologic Disease	10	0	0 - 98	13	0	0 - 98

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	52
Occupancy Rate (%):	62
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	14
Percent of Physicians Who Are Board Certified Specialists:	64
Interns and Residents:	0
Registered Nurses:	26
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

FORT LOGAN HOSP

124 PORTMAN AV
STANFORD, KY 40484

Medicare Hospital Provider Number: 180099

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	384	14	10 - 18	352	14	9 - 17
Cancer	8	63	20 - 80	1	100	3 - 99
Cerebrovascular Accidents	11	27	9 - 60	11	18	8 - 56
Gastrointestinal Catastrophes	3	67	2 - 87	1	0	0 -100
Infectious Disease	7	57	9 - 73	4	50	6 - 83
Metabolic/Electrolyte Disorders	27	15	8 - 42	11	27	6 - 60
Pulmonary Disease	33	15	15 - 43	34	44	18 - 52
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	14	29	20 - 66	14	50	20 - 69
Severe Chronic Heart Disease	23	39	10 - 49	22	18	7 - 42
Severe Trauma	1	0	1 - 97	0	-	-
Gastrointestinal Disease	30	3	0 - 57	24	0	0 - 30
Gynecologic Disease	5	0	0 -100	0	-	-
Low-Risk Heart Disease	54	0	1 - 10	36	3	0 - 25
Musculoskeletal/Skin Conditions	21	0	1 - 26	32	9	0 - 81
Neuropsychiatric/Sensory Disease	13	0	0 - 99	15	0	0 - 87
Urologic Disease	10	0	0 - 99	17	0	0 - 47

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	73
Occupancy Rate (%):	70
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	10
Percent of Physicians Who Are Board Certified Specialists:	90
Interns and Residents:	0
Registered Nurses:	21
Licensed Practical Nurses:	11

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

FRANKLIN SIMPSON MEMORIAL HOSP

BROOKHAVEN RD BOX 447
FRANKLIN, KY 42134

Medicare Hospital Provider Number: 180120

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	245	17	11 - 21	280	17	11 - 20
Cancer	3	67	10 - 90	5	80	24 - 91
Cerebrovascular Accidents	12	42	11 - 63	18	56	18 - 61
Gastrointestinal Catastrophes	4	25	8 - 82	0	-	-
Infectious Disease	1	100	3 - 98	2	0	4 - 88
Metabolic/Electrolyte Disorders	18	11	8 - 45	11	0	13 - 48
Pulmonary Disease	27	22	14 - 47	31	39	13 - 48
Renal Failure	5	80	20 - 91	6	83	19 - 86
Severe Acute Heart Disease	3	33	8 - 88	4	50	9 - 84
Severe Chronic Heart Disease	39	26	11 - 39	25	36	11 - 49
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	17	0	0 - 82	21	0	0 - 62
Gynecologic Disease	1	0	0 -100	0	-	-
Low-Risk Heart Disease	29	7	0 - 43	37	3	0 - 23
Musculoskeletal/Skin Conditions	10	0	0 -100	15	0	0 - 97
Neuropsychiatric/Sensory Disease	8	0	0 - 98	19	5	0 - 67
Urologic Disease	5	0	0 -100	8	0	0 - 81

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	50
Occupancy Rate (%):	20
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	7
Percent of Physicians Who Are Board Certified Specialists:	29
Interns and Residents:	0
Registered Nurses:	10
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

GARRARD CO MEMORIAL HOSP-

308 W MAPLE
LANCASTER, KY 40444

Medicare Hospital Provider Number: 180031

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	221	17	10 - 21	288	14	11 - 20
Cancer	4	50	13 - 89	8	63	23 - 83
Cerebrovascular Accidents	10	40	9 - 65	12	17	11 - 55
Gastrointestinal Catastrophes	1	0	0 - 99	1	0	0 - 98
Infectious Disease	7	29	12 - 74	6	33	13 - 79
Metabolic/Electrolyte Disorders	10	30	4 - 62	14	14	5 - 50
Pulmonary Disease	17	18	12 - 51	32	25	14 - 46
Renal Failure	2	50	6 - 95	2	0	2 - 90
Severe Acute Heart Disease	12	67	17 - 68	17	29	19 - 61
Severe Chronic Heart Disease	8	38	7 - 68	11	27	5 - 58
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	13	8	0 - 78	16	6	0 - 87
Gynecologic Disease	1	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	37	8	1 - 28	41	0	1 - 13
Musculoskeletal/Skin Conditions	16	6	0 - 52	14	7	0 - 98
Neuropsychiatric/Sensory Disease	3	0	0 -100	6	0	0 - 92
Urologic Disease	7	0	0 - 96	13	0	0 - 90

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	129
Occupancy Rate (%):	76
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	5
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

GOOD SAMARITAN HOSP-

310 S LIMESTONE ST
LEXINGTON, KY 40508

Medicare Hospital Provider Number: 180007

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,064	13	10 - 14	2,189	11	9 - 13
Cancer	69	48	27 - 54	77	44	32 - 57
Cerebrovascular Accidents	104	29	19 - 38	100	26	17 - 36
Gastrointestinal Catastrophes	15	20	21 - 65	14	43	16 - 66
Infectious Disease	24	42	18 - 58	24	29	20 - 59
Metabolic/Electrolyte Disorders	31	29	17 - 52	37	16	9 - 39
Pulmonary Disease	113	22	16 - 35	104	25	16 - 36
Renal Failure	10	60	14 - 77	13	31	18 - 77
Severe Acute Heart Disease	75	48	27 - 51	67	36	27 - 51
Severe Chronic Heart Disease	75	21	14 - 34	87	22	14 - 33
Severe Trauma	6	17	6 - 70	8	50	5 - 70
Gastrointestinal Disease	170	3	1 - 8	168	4	1 - 9
Gynecologic Disease	17	0	0 -100	23	0	0 - 98
Low-Risk Heart Disease	206	3	1 - 7	259	2	2 - 6
Musculoskeletal/Skin Conditions	258	3	1 - 6	241	2	0 - 7
Neuropsychiatric/Sensory Disease	118	0	1 - 6	168	2	0 - 8
Urologic Disease	85	1	0 - 12	73	4	0 - 25

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	315
Occupancy Rate (%):	51
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	135
Percent of Physicians Who Are Board Certified Specialists:	90
Interns and Residents:	0
Registered Nurses:	213
Licensed Practical Nurses:	57

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

Good Samaritan Hospital
Lexington, Kentucky

Provider Number: 18-0007

The hospital's comments consisted primarily of annotations to the patient specific information and/or the hospital characteristics generated by the Health Care Financing Administration and provided to the hospital. We did not publish this annotated information.

GRANT CO HOSP

238 BARNES RD
WILLIAMSTOWN, KY 41097

Medicare Hospital Provider Number: 180023

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	312	8	10 - 17	293	10	11 - 19
Cancer	3	100	15 - 87	2	100	8 - 91
Cerebrovascular Accidents	5	40	14 - 84	4	25	4 - 79
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	2	50	7 - 95
Metabolic/Electrolyte Disorders	17	6	6 - 41	15	7	13 - 49
Pulmonary Disease	38	5	18 - 37	42	17	15 - 40
Renal Failure	3	0	13 - 88	5	20	21 - 93
Severe Acute Heart Disease	4	100	28 - 91	5	60	10 - 81
Severe Chronic Heart Disease	25	16	13 - 44	29	17	16 - 45
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	24	4	0 - 55	35	0	1 - 16
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	47	2	0 - 20	43	0	1 - 12
Musculoskeletal/Skin Conditions	21	5	0 - 84	25	4	0 - 35
Neuropsychiatric/Sensory Disease	15	0	0 - 68	13	8	0 - 99
Urologic Disease	4	0	0 - 98	3	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	30
Occupancy Rate (%):	47
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	6
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	0
Registered Nurses:	9
Licensed Practical Nurses:	11

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

GRAYSON CO HOSP

910 WALLACE AV
LEITCHFIELD, KY 42754

Medicare Hospital Provider Number: 180070

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	622	15	11 - 17	617	14	11 - 17
Cancer	9	56	19 - 77	5	100	24 - 79
Cerebrovascular Accidents	26	19	14 - 46	18	39	11 - 55
Gastrointestinal Catastrophes	1	100	1 - 97	3	100	8 - 81
Infectious Disease	9	56	16 - 74	4	50	7 - 83
Metabolic/Electrolyte Disorders	36	28	14 - 48	35	17	12 - 43
Pulmonary Disease	64	23	19 - 43	71	32	18 - 42
Renal Failure	0	-	-	1	100	2 - 97
Severe Acute Heart Disease	23	48	21 - 61	22	45	22 - 62
Severe Chronic Heart Disease	29	31	11 - 45	23	22	13 - 47
Severe Trauma	0	-	-	1	0	2 - 97
Gastrointestinal Disease	63	6	0 - 22	49	6	0 - 30
Gynecologic Disease	3	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	80	1	1 - 9	79	5	1 - 14
Musculoskeletal/Skin Conditions	38	5	0 - 57	35	3	0 - 61
Neuropsychiatric/Sensory Disease	11	0	0 - 99	19	0	0 - 97
Urologic Disease	44	2	0 - 32	34	0	0 - 28

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	75
Occupancy Rate (%):	57
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	17
Percent of Physicians Who Are Board Certified Specialists:	59
Interns and Residents:	0
Registered Nurses:	51
Licensed Practical Nurses:	8

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HARDIN MEMORIAL HOSP

N DIXIE AV
ELIZABETHTOWN, KY 42701

Medicare Hospital Provider Number: 180012

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,318	12	11 - 15	2,236	13	11 - 15
Cancer	38	29	24 - 55	44	25	23 - 52
Cerebrovascular Accidents	105	23	20 - 37	77	18	18 - 37
Gastrointestinal Catastrophes	11	45	10 - 66	17	35	14 - 60
Infectious Disease	29	38	23 - 60	32	41	21 - 57
Metabolic/Electrolyte Disorders	44	41	18 - 51	51	43	16 - 48
Pulmonary Disease	187	25	21 - 37	230	35	22 - 38
Renal Failure	16	63	19 - 75	12	33	17 - 77
Severe Acute Heart Disease	78	42	27 - 51	65	48	28 - 53
Severe Chronic Heart Disease	137	18	17 - 32	141	16	17 - 32
Severe Trauma	3	0	5 - 80	1	0	0 - 98
Gastrointestinal Disease	176	3	1 - 8	171	2	2 - 7
Gynecologic Disease	24	0	0 -100	34	0	0 - 36
Low-Risk Heart Disease	273	2	2 - 6	247	3	2 - 7
Musculoskeletal/Skin Conditions	209	2	0 - 7	184	2	1 - 6
Neuropsychiatric/Sensory Disease	78	3	0 - 21	94	2	1 - 11
Urologic Disease	132	2	0 - 8	143	5	1 - 11

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	235
Occupancy Rate (%):	77
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	110
Percent of Physicians Who Are Board Certified Specialists:	60
Interns and Residents:	0
Registered Nurses:	240
Licensed Practical Nurses:	21

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HARLAN APPALACHIAN REGIONAL HOSP

MARTINS FORK RD
HARLAN, KY 40831

Medicare Hospital Provider Number: 180050

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	787	17	12 - 18	805	18	12 - 18
Cancer	12	50	13 - 66	14	36	15 - 63
Cerebrovascular Accidents	27	37	12 - 48	27	30	16 - 51
Gastrointestinal Catastrophes	2	50	4 - 93	4	50	12 - 88
Infectious Disease	15	27	15 - 61	10	40	14 - 70
Metabolic/Electrolyte Disorders	48	35	18 - 50	54	30	18 - 48
Pulmonary Disease	97	27	18 - 38	107	29	17 - 37
Renal Failure	3	33	1 - 88	2	100	9 - 93
Severe Acute Heart Disease	41	41	25 - 55	30	50	23 - 59
Severe Chronic Heart Disease	43	28	15 - 43	43	37	12 - 42
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	72	8	0 - 26	82	6	0 - 18
Gynecologic Disease	8	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	81	4	1 - 13	75	5	1 - 16
Musculoskeletal/Skin Conditions	23	0	0 - 35	34	12	0 - 80
Neuropsychiatric/Sensory Disease	25	0	0 - 51	20	0	0 - 79
Urologic Disease	27	0	0 - 91	34	3	0 - 33

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	110
Occupancy Rate (%):	54
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	41
Percent of Physicians Who Are Board Certified Specialists:	66
Interns and Residents:	0
Registered Nurses:	64
Licensed Practical Nurses:	27

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

HARRISON MEMORIAL HOSP

MILLERSBURG PIKE BOX 250
CYNTHIANA, KY 41031

Medicare Hospital Provider Number: 180079

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	664	13	8 - 15	676	14	10 - 16
Cancer	7	57	13 - 77	13	62	24 - 75
Cerebrovascular Accidents	28	25	13 - 46	28	39	15 - 50
Gastrointestinal Catastrophes	2	100	4 - 88	3	33	8 - 89
Infectious Disease	5	0	18 - 74	3	67	4 - 86
Metabolic/Electrolyte Disorders	12	0	7 - 41	8	13	4 - 60
Pulmonary Disease	69	28	13 - 37	81	17	15 - 35
Renal Failure	2	50	7 - 96	6	50	14 - 86
Severe Acute Heart Disease	26	54	24 - 62	32	44	26 - 60
Severe Chronic Heart Disease	42	29	13 - 41	46	17	15 - 39
Severe Trauma	1	100	0 - 99	0	-	-
Gastrointestinal Disease	62	3	0 - 25	54	11	0 - 32
Gynecologic Disease	3	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	91	2	1 - 10	65	6	0 - 23
Musculoskeletal/Skin Conditions	47	0	0 - 16	62	2	0 - 15
Neuropsychiatric/Sensory Disease	21	5	0 - 87	23	0	0 - 41
Urologic Disease	21	5	0 -100	21	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	99
Occupancy Rate (%):	58
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	11
Percent of Physicians Who Are Board Certified Specialists:	64
Interns and Residents:	0
Registered Nurses:	31
Licensed Practical Nurses:	17

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

PROFESSIONAL CARE WITH THE PERSONAL TOUCH
HARRISON MEMORIAL HOSPITAL
— SINCE 1906 —

October 18, 1988

William L. Roper, M.D., Administrator
Health Care Financing Administration
Department of Health and Human Services
Health Standards and Quality Bureau
Hospital Mortality Information
P.O. Box 26684
Baltimore, Maryland 21207

Dear Dr. Roper:

This letter is written to comment on the 1987 mortality statistics for Harrison Memorial Hospital. Comments were solicited by HCFA when this data was sent to hospitals during the week of September 16, 1988.

My first comment involves the accuracy of the information provided by HCFA. Our investigation of the mortality statistics for 1986 and 1987 indicates that some of this information is incorrect. With respect to the 1987 data, there were a few examples of incorrect dates of death, and several cases had incorrect ages listed. The mortality statistics for 1986 showed several errors involving the number of cases. Our corrected figures are shown in Attachment 1. In addition, several of the hospital characteristics listed were incorrect. The correct number of acute care beds is 75, and the hospital had an occupancy rate of 51.28%. In addition, the Hospital does have a Coronary Care Unit.

Having corrected these inaccuracies, I have several general comments regarding the format of this information and its usefulness. Several of these comments were listed in my response from last year.

My first comment with respect to the format is that the methods used to generate the number of cases and mortality rate are, in my opinion, flawed. The number of cases should represent the total number of admissions to the Hospital -- not the number of patients whose last admission was in 1987. If the figures are being released to inform the public of the likelihood of death occurring at a particular hospital, the number of "successful" discharges should also be included with the mortality rates. In addition, to accurately reflect the mortality rate of a specific hospital, all patients should be included -- not just Medicare patients, who by definition are going to be older and in poorer health.

My second comment involves the method of calculating the Actual Mortality Rate. The method used includes the deaths which occur within 30 days of the last admission date, whether the patient is still hospitalized or not. Some of the deaths included in a hospital's mortality rate may be attributed to automobile accidents, homicides, hunting accidents, suicides, etc. Again, I doubt that hospital mortality statistics are of much use in evaluating the quality of care provided by a hospital if these causes of deaths are included.

I appreciate the fact that HCFA is attempting to factor severity of illness into its mortality statistics. Until this is accomplished, however, I do not feel that the release of the mortality statistics will be of much use. I doubt that the average health-care consumer will have sufficient information to use the mortality statistics for their intended purpose. Without an indication of the severity of illness treated by a facility, one cannot determine if the mortality rate for a specific institution is unacceptably high or not. Information on the types of patients treated and the severity of illness or injury must be presented along with the data.

As I did last year, I must raise the question as to whether or not the public as a whole is sophisticated enough to properly analyze the information HCFA plans to release in December. I feel the release of this information, with the accompanying problems I have outlined above, will be a waste of the taxpayers' money. I would ask that future releases of information involving mortality or morbidity be done in a manner that will ensure an adequate understanding on the part of the public. I feel that the problems outlined above will make this year's release of mortality statistics no more useful than those offered last year.

Sincerely,

Jim Farris

James R. Farris
Administrator

JRF:cjm

attachment

ATTACHMENT 1

HARRISON MEMORIAL HOSPITAL
Cynthiana, Kentucky

MEDICARE HOSPITAL MORTALITY INFORMATION

CALENDAR YEAR 1986

	Cases	Actual Mortality Rate (%)
All Causes	671	13
Cancer	26	46
Cerebrovascular Accidents	28	39
Gastrointestinal Catastrophes	13	15
Infectious Disease	3	67
Metabolic/Electrolyte Disturbances	12	8
Pulmonary Disease	106	14
Renal Failure	8	38
Severe Acute Heart Disease	32	44
Severe Chronic Heart Disease	48	17
Severe Trauma	20	5
Gastrointestinal Disease	76	8
Gynecologic Disease	5	0
Low-Risk Heart Disease	49	6
Musculoskeletal and Cutaneous Condition	62	2
Neuropsychiatric and Sensory Disease	23	0
Urologic Disease	37	3

10-18-88/cjm

HCA GREENVIEW HOSP

1801 ASHLEY CIRCLE
BOWLING GREEN, KY 42101

Medicare Hospital Provider Number: 180124

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,700	10	9 - 13	1,787	10	9 - 13
Cancer	43	28	26 - 56	43	49	29 - 61
Cerebrovascular Accidents	48	25	15 - 41	51	35	17 - 44
Gastrointestinal Catastrophes	10	40	17 - 74	7	57	10 - 74
Infectious Disease	22	27	15 - 54	33	30	20 - 54
Metabolic/Electrolyte Disorders	13	62	17 - 68	27	26	16 - 53
Pulmonary Disease	111	24	16 - 35	118	25	17 - 36
Renal Failure	10	70	19 - 80	2	50	5 - 94
Severe Acute Heart Disease	47	19	30 - 54	52	44	26 - 54
Severe Chronic Heart Disease	70	21	16 - 36	60	15	13 - 33
Severe Trauma	1	0	1 - 97	3	0	12 - 85
Gastrointestinal Disease	179	1	1 - 6	168	0	2 - 5
Gynecologic Disease	24	0	0 -100	17	0	0 -100
Low-Risk Heart Disease	232	2	2 - 7	238	2	2 - 6
Musculoskeletal/Skin Conditions	217	3	1 - 7	199	3	0 - 8
Neuropsychiatric/Sensory Disease	51	4	0 - 22	73	3	0 - 21
Urologic Disease	94	4	0 - 16	76	4	0 - 24

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 211
Occupancy Rate (%): 54
Ownership/Control: Private, For Profit

STAFFING

Total Number of Physicians: 128
Percent of Physicians Who Are Board Certified Specialists: 66
Interns and Residents: 0
Registered Nurses: 130
Licensed Practical Nurses: 14

SPECIALTY SERVICES

Shock/Trauma Unit: Yes
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

HCA Greenview
Hospital

October 18, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
Meadows East Building, 2 - D - 2
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

We have reviewed the Medicare Hospital Mortality Information recently provided for Greenview Hospital. While we do not have specific public comments at this time, we do have corrections to the data for our hospital. These corrections are indicated on the attached pages.

I thank you for your attention to this matter. Please let me know should you have any questions.

Sincerely,

Bill Summers

Bill Summers
Administrator

BS:bts

HCA KING'S DAUGHTERS MEMORIAL HOSP

KINGS DAUGHTERS DR
FRANKFORT, KY 40601

Medicare Hospital Provider Number: 180127

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,166	13	9 - 14	1,088	14	10 - 15
Cancer	18	50	25 - 70	19	53	27 - 71
Cerebrovascular Accidents	57	39	17 - 43	49	35	19 - 47
Gastrointestinal Catastrophes	7	29	6 - 70	5	40	3 - 78
Infectious Disease	15	40	11 - 60	11	36	12 - 66
Metabolic/Electrolyte Disorders	40	15	15 - 44	45	27	10 - 42
Pulmonary Disease	85	21	14 - 34	86	23	15 - 36
Renal Failure	2	100	6 - 91	1	100	2 - 97
Severe Acute Heart Disease	50	40	22 - 51	45	42	24 - 54
Severe Chronic Heart Disease	45	36	12 - 40	65	32	15 - 38
Severe Trauma	1	100	1 - 97	1	100	2 - 97
Gastrointestinal Disease	94	1	1 - 9	77	3	1 - 12
Gynecologic Disease	3	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	109	3	1 - 10	105	1	1 - 7
Musculoskeletal/Skin Conditions	106	3	0 - 12	100	3	0 - 12
Neuropsychiatric/Sensory Disease	68	0	0 - 11	49	2	0 - 19
Urologic Disease	73	3	0 - 17	54	7	0 - 42

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	149
Occupancy Rate (%):	51
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	43
Percent of Physicians Who Are Board Certified Specialists:	77
Interns and Residents:	0
Registered Nurses:	84
Licensed Practical Nurses:	3

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HCA SCOTT GENERAL HOSP

1140 LEXINGTON RD
GEORGETOWN, KY 40324

Medicare Hospital Provider Number: 180101

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	360	12	9 - 16	318	17	11 - 20
Cancer	7	29	8 - 70	4	75	10 - 84
Cerebrovascular Accidents	23	35	15 - 54	13	23	12 - 58
Gastrointestinal Catastrophes	2	50	5 - 94	3	67	7 - 88
Infectious Disease	7	57	13 - 77	4	50	9 - 85
Metabolic/Electrolyte Disorders	12	0	6 - 40	15	33	6 - 56
Pulmonary Disease	28	25	11 - 45	23	48	15 - 55
Renal Failure	4	50	5 - 84	2	50	7 - 96
Severe Acute Heart Disease	4	75	6 - 80	22	64	27 - 66
Severe Chronic Heart Disease	16	13	8 - 45	10	20	8 - 59
Severe Trauma	0	-	-	1	100	2 - 98
Gastrointestinal Disease	34	0	0 - 23	23	0	0 - 37
Gynecologic Disease	4	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	43	2	1 - 17	35	0	0 - 18
Musculoskeletal/Skin Conditions	19	0	0 - 65	25	0	0 - 45
Neuropsychiatric/Sensory Disease	5	0	0 -100	10	10	0 -100
Urologic Disease	8	0	0 -100	5	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	75
Occupancy Rate (%):	24
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	71
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	0
Registered Nurses:	28
Licensed Practical Nurses:	15

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SCOTT
GENERAL
HOSPITAL

Lawrence H. Kloess III
Administrator

October 21, 1988

FEDERAL EXPRESS

Health Standards & Quality Bureau, HCFA
Attention: Mrs. Sandra Cappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Re: Medicare Hospital Mortality Information (1986, 1987)

Dear Mrs. Cappert:

In regard to the above report, please note the following circumstances of a mortality which occurred in 1986, and for which you have classified as Severe Trauma. This is the only case classified under this heading, so the resulting mortality rate shows a level of 100%.

The patient was an 81 year old female with known metastatic breast cancer which had extended to the bone. She was admitted after a fall of approximately 2 feet, hitting her head on a stone wall. She deteriorated in a manner not warranted by her head injury and was found to have a small area of hemmorrhagic contusion. Her physicians felt that she probably had incurred a massive brain stem stoke, but this could not be verified on the C.T. scan. She had been transferred by ambulance to receive the C.T. scan through another facility. Upon her return to Scott General Hospital, she deteriorated further in the ambulance. CPR was initiated and was continued upon her arrival to the hospital. Efforts to revive her were unsuccessful. She had been admitted on 4-22-88 prior to the C.T. scan and expired on 4-22-88. In retrospect, her diagnosis should have probably been coded as basilar artery thrombosis as a primary diagnosis, rather than cerebellar contusion.

I hope that you will be able to include this explanation in your upcoming publication. Should you have any questions about this information, please let me know.

Sincerely,

Lawrence H. Kloess, III
Administrator

LHK/pr

1140 Lexington Road
Georgetown, Ky. 40324
(502) 863-2141

An Affiliate of
HEALTHTRUST
INC. The Hospital Company

HIGHLANDS REGIONAL MEDICAL CENTER

US 23 NORTH BOX 668
PRESTONSBURG, KY 41653

Medicare Hospital Provider Number: 180005

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,321	10	10 - 14	1,265	11	10 - 15
Cancer	16	56	22 - 69	14	64	19 - 68
Cerebrovascular Accidents	21	33	15 - 55	23	30	13 - 50
Gastrointestinal Catastrophes	9	11	11 - 61	8	38	12 - 73
Infectious Disease	6	33	5 - 73	15	40	20 - 69
Metabolic/Electrolyte Disorders	29	21	8 - 43	31	10	12 - 41
Pulmonary Disease	163	18	16 - 32	167	20	18 - 34
Renal Failure	5	20	4 - 78	9	44	17 - 82
Severe Acute Heart Disease	63	46	28 - 54	43	47	23 - 54
Severe Chronic Heart Disease	77	22	13 - 33	61	26	13 - 36
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	135	1	2 - 7	125	5	1 - 12
Gynecologic Disease	3	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	200	3	1 - 7	183	2	2 - 7
Musculoskeletal/Skin Conditions	67	1	0 - 13	58	0	0 - 11
Neuropsychiatric/Sensory Disease	32	3	0 - 34	33	0	0 - 24
Urologic Disease	48	0	0 - 18	29	0	0 - 43

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	184
Occupancy Rate (%):	60
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	46
Percent of Physicians Who Are Board Certified Specialists:	63
Interns and Residents:	0
Registered Nurses:	77
Licensed Practical Nurses:	62

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HUMANA HOSP AUDUBON

1 AUDUBON PLAZA DR BOX 17555
LOUISVILLE, KY 40217

Medicare Hospital Provider Number: 180014

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,606	10	9 - 13	3,368	11	9 - 13
Cancer	124	36	33 - 54	98	42	30 - 54
Cerebrovascular Accidents	120	20	17 - 33	107	21	16 - 34
Gastrointestinal Catastrophes	25	20	22 - 58	19	26	16 - 58
Infectious Disease	29	34	19 - 56	24	42	20 - 60
Metabolic/Electrolyte Disorders	47	13	12 - 39	40	15	11 - 40
Pulmonary Disease	203	20	17 - 32	164	21	16 - 33
Renal Failure	16	50	18 - 75	12	25	18 - 76
Severe Acute Heart Disease	124	40	27 - 47	156	42	28 - 46
Severe Chronic Heart Disease	148	27	14 - 30	137	20	16 - 31
Severe Trauma	6	33	3 - 74	11	27	8 - 63
Gastrointestinal Disease	244	2	1 - 7	210	1	1 - 6
Gynecologic Disease	27	0	0 -100	22	0	0 -100
Low-Risk Heart Disease	725	5	2 - 6	648	5	2 - 6
Musculoskeletal/Skin Conditions	289	2	1 - 6	269	2	0 - 6
Neuropsychiatric/Sensory Disease	155	2	0 - 10	164	2	0 - 8
Urologic Disease	99	3	0 - 19	95	4	0 - 17

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 484
Occupancy Rate (%): 64
Ownership/Control: Private, For Profit

STAFFING

Total Number of Physicians: 424
Percent of Physicians Who Are Board Certified Specialists: 64
Interns and Residents: 0
Registered Nurses: 518
Licensed Practical Nurses: 43

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: Yes
Hospice Care: No

One Audubon Plaza Drive
PO Box [illegible]
Louisville, Kentucky
40217
Telephone 502 [illegible] 7111

Medicare Provider
Number: 18-0014

**Humana Hospital
Audubon**

October 20, 1988

Mrs. Sandra Kappert
Health Standards and Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

We appreciate the opportunity to comment on the Medicare patient mortality data and the hospital profile characteristics to be published by the Health Care Financing Administration. The information does serve as a part of this hospital's and the health care industry's ongoing quality assurance program.

HCFA's efforts to provide our hospital specifically, and the health care industry in general, with quality assurance information should be commended.

We also appreciate your public position that even though attempts have been made to further refine the manipulation of the data, this information is limited and cannot be used as a complete measure of quality.

We are very proud of our quality assurance program that is in place at Humana Hospital-Audubon; it is well-established and includes routine review by the Joint Commission on Accreditation of Healthcare Organizations and other outside review agencies, ongoing utilization review, quality assurance, in-hospital morbidity and mortality reviews and analyses of all inpatient mortality.

The raw numbers that you have provided in this release further assist us in confirming our records and in analyzing Medicare patients mortality.

Our quality assurance staff and medical executive committee have reviewed the statistics provided by HCFA. Since some of the deaths attributed to patients in our hospital occurred after discharge, we have been unable to completely validate the data. By category, the number of patients in many cases is too limited to provide a valid statistical analysis. Additionally, predicted ranges have been developed in such a complex and unverifiable way, it would be useless to consider them "standard" ranges.

We also are concerned that the information listed under "Hospital Characteristics" contains inaccurate figures inconsistent with our hospital records, thus we are unable to confirm any of that data.

We stand ready to aid our community in reviewing this very complex data and explaining how this type of information is used to affirm and improve the quality of health care services.

Sincerely,

Bruce D. Perkins
Executive Director

BDP/jb

HUMANA HOSP LEXINGTON

150 N EAGLE CREEK DRIVE
LEXINGTON, KY 40509

Medicare Hospital Provider Number: 180136

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	985	9	8 - 13	928	11	8 - 14
Cancer	30	20	22 - 53	27	33	21 - 57
Cerebrovascular Accidents	32	44	12 - 46	37	24	18 - 46
Gastrointestinal Catastrophes	8	50	9 - 72	7	43	9 - 74
Infectious Disease	10	40	9 - 66	8	13	13 - 65
Metabolic/Electrolyte Disorders	14	14	7 - 51	13	23	3 - 56
Pulmonary Disease	64	20	13 - 36	46	26	14 - 41
Renal Failure	4	50	2 - 84	7	14	11 - 75
Severe Acute Heart Disease	31	23	22 - 53	27	33	21 - 56
Severe Chronic Heart Disease	28	29	10 - 44	40	30	10 - 39
Severe Trauma	0	-	-	2	0	0 - 92
Gastrointestinal Disease	73	4	1 - 14	70	3	1 - 14
Gynecologic Disease	17	0	0 -100	9	0	0 -100
Low-Risk Heart Disease	84	4	1 - 12	63	3	1 - 15
Musculoskeletal/Skin Conditions	73	4	0 - 20	70	1	0 - 17
Neuropsychiatric/Sensory Disease	82	5	0 - 17	66	0	0 - 9
Urologic Disease	61	0	0 - 12	30	7	0 - 66

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	170
Occupancy Rate (%):	44
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	170
Percent of Physicians Who Are Board Certified Specialists:	66
Interns and Residents:	0
Registered Nurses:	93
Licensed Practical Nurses:	6

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

150 N. Eagle Creek Drive
P.O. Box [illegible]
Lexington, Kentucky
40523
Telephone 606 [illegible]

Humana Hospital
Lexington

October 20, 1988

Mrs. Sandra Kappert
Health Standards and Quality Bureau, HCFA
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

We appreciate the opportunity to comment on the Medicare patient mortality data and the hospital profile characteristics to be published by the Health Care Financing Administration. The information does serve as a part of this hospital's and the health care industry's ongoing quality assurance programs.

HCFA's efforts to provide our hospital specifically, and the health care industry in general, with quality assurance information should be commended.

We also appreciate your public position that even though attempts have been made to further refine the manipulation of the data, this information is limited and cannot be used as a complete measure of quality.

We are very proud of our quality assurance program that is in place at Humana Hospital - Lexington; it is well-established and includes routine review by the Joint Commission on Accreditation of Healthcare Organizations and other outside review agencies, ongoing utilization review, quality assurance, in-hospital morbidity and mortality reviews and analyses of all inpatient mortality.

The raw numbers that you have provided in this release further assist us in confirming our records and in analyzing Medicare patient mortality.

The quality assurance staff reviewed the statistics provided by HCFA. Since some of the deaths attributed to patients in our hospital occurred after discharge, we have been unable to completely validate the data. By category, the number of patients in many cases is too limited to provide a valid statistical analysis. Additionally, predicted ranges have been developed in such a complex and unverifiable way, it would be useless to consider them "standard" ranges.

We also are concerned that the information listed under "Hospital Characteristics" contains inaccurate figures inconsistent with our hospital records; thus we are unable to confirm any of that data.

We stand ready to aid our community in reviewing this very complex data and explaining how this type of information is used to affirm and improve the quality of health care services.

Sincerely,

Bradley K. Grover, Sr.
Executive Director
Humana Hospital - Lexington

BKG/laf

HUMANA HOSP LOUISA

HIGHWAY 644 BOX 769
LOUISA, KY 41230

Medicare Hospital Provider Number: 180128

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	581	14	9 - 16	591	16	10 - 17
Cancer	13	69	15 - 64	9	56	15 - 74
Cerebrovascular Accidents	21	43	12 - 53	24	42	18 - 57
Gastrointestinal Catastrophes	6	33	16 - 82	8	25	10 - 68
Infectious Disease	1	100	2 - 97	6	17	6 - 69
Metabolic/Electrolyte Disorders	19	16	7 - 46	19	21	6 - 48
Pulmonary Disease	43	30	14 - 43	46	28	12 - 40
Renal Failure	8	100	27 - 80	2	50	0 - 98
Severe Acute Heart Disease	33	33	20 - 53	38	42	21 - 53
Severe Chronic Heart Disease	32	31	9 - 42	45	36	12 - 41
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	44	2	0 - 23	57	2	1 - 13
Gynecologic Disease	2	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	131	4	1 - 10	121	6	1 - 12
Musculoskeletal/Skin Conditions	40	0	0 - 21	21	5	0 - 64
Neuropsychiatric/Sensory Disease	3	0	0 -100	14	0	0 -100
Urologic Disease	31	0	0 - 40	14	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	90
Occupancy Rate (%):	41
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	16
Percent of Physicians Who Are Board Certified Specialists:	69
Interns and Residents:	0
Registered Nurses:	41
Licensed Practical Nurses:	23

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

[illegible]
[illegible]
[illegible] Ky
[illegible]
Telephone 606 638 9451

Humana Hospital
Louisa

October 19, 1988

Mrs. Sandra Kappert
Health Standards and Quality Bureau, HCFA
2-D-2 Meadows East Building
Baltimore, Maryland 21207

Dear Mrs. Kappert:

We appreciate the opportunity to comment on the Medicare patient mortality data and the hospital profile characteristics to be published by the Health Care Financing Administration. The information does serve as a part of this hospital's and the health care industry's ongoing quality assurance programs.

HCFA's efforts to provide our hospital specifically, and the health care industry in general, with quality assurance information should be commended.

We also appreciate your public position that even though attempts have been made to further refine the manipulation of the data, this information is limited and cannot be used as a complete measure of quality.

We are very proud of our quality assurance program that is in place at Humana Hospital - Louisa; it is well-established and includes routine review by the Joint Commission on Accreditation of Healthcare Organizations and other outside review agencies, ongoing utilization review, quality assurance, in-hospital morbidity and mortality reviews and analyses of all inpatient mortality.

The raw numbers that you have provided in this release further assist us in confirming our records and in analyzing Medicare patient mortality.

The medical records dept., and medical staff have reviewed the statistics provided by HCFA. Since some of the deaths attributed to patients in our hospital occurred after discharge, we have been unable to completely validate the data. By category, the number of patients in many cases is too limited to provide a valid statistical analysis. Additionally, predicted ranges have been developed in such a complex and unverifiable way, it would be useless to consider them "standard" ranges.

We are concerned that the information listed under "Hospital Characteristics" contains inaccurate figures inconsistent with our hospital records, thus we are unable to confirm any of that data.

Specifically, all categories listed were reviewed and we have determined that under the following categories, certain facts must be brought to your attention.

In the Diagnostic category of "Infectious Disease", only one case is listed. This was an 83-year old admitted through the Emergency Room with a temperature of 103° in critical condition. Family requested no heroic measures be taken.

Category of "Renal Failure" lists (8) eight cases. Average age of these cases was 84-years old. Four (50%) cases were direct admissions from a nursing home in serious conditions. Seventy-five percent of the (8) cases had written (DNR), "Do not Resuscitate", or no heroic measures to be taken." orders. Twenty five percent of the cases died same day admitted.

Under the category of "Cancer", there were (12) twelve deaths listed. Average age of the category was 73-years old. Five (5) or 42% of these cases had orders for "No heroic measures to be taken." Two cases died 48 hours after admission for 17% of cases. The patients under this category were all admitted in poor condition and death was not unexpected.

As pointed out above, the cases in all categories had been reviewed by staff committees and this second review pointed out no discrepancy from the initial review.

We stand ready to aid our community in reviewing this very complex data and explaining how this type of information is used to affirm and improve the quality of health care servies.

Sincerely,

James Ellison

James J. Ellison
Executive Director
Humana Hospital - Louisa

/bac

HUMANA HOSP SUBURBAN

4001 DUTCHMANS LANE
LOUISVILLE, KY 40207

Medicare Hospital Provider Number: 180123

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,238	11	8 - 12	3,244	9	8 - 12
Cancer	112	32	29 - 51	116	30	28 - 50
Cerebrovascular Accidents	99	22	16 - 34	106	31	17 - 36
Gastrointestinal Catastrophes	20	55	16 - 61	21	29	14 - 56
Infectious Disease	15	40	15 - 64	16	31	18 - 64
Metabolic/Electrolyte Disorders	44	16	13 - 42	44	25	13 - 44
Pulmonary Disease	173	21	16 - 32	179	23	17 - 33
Renal Failure	13	31	17 - 75	13	23	16 - 73
Severe Acute Heart Disease	120	43	27 - 47	109	31	26 - 46
Severe Chronic Heart Disease	115	28	15 - 33	113	22	17 - 34
Severe Trauma	5	20	3 - 75	6	50	6 - 76
Gastrointestinal Disease	245	4	1 - 8	244	2	1 - 6
Gynecologic Disease	25	0	0 -100	33	0	0 -100
Low-Risk Heart Disease	301	4	1 - 7	300	4	1 - 6
Musculoskeletal/Skin Conditions	394	1	0 - 5	383	1	1 - 4
Neuropsychiatric/Sensory Disease	123	1	0 - 8	136	0	0 - 6
Urologic Disease	273	1	0 - 6	298	1	0 - 6

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	380
Occupancy Rate (%):	54
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	208
Percent of Physicians Who Are Board Certified Specialists:	77
Interns and Residents:	0
Registered Nurses:	237
Licensed Practical Nurses:	10

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

4001 [illegible]
Lou[illegible]
4020[illegible]
Telephone [illegible]

Humana Hospital
Suburban

Medicare Provider No.
180123

October 20, 1988

Mrs. Sandra Kappert
Health Standards and Quality Bureau, HCFA
2-D-2 Meadows East Building
6325 Security Blvd.
Baltimore, Maryland 21207

Dear Mrs. Kappert:

We appreciate the opportunity to comment on the Medicare patient mortality data and the hospital profile characteristics to be published as a part of this hospital's and the health care industry's ongoing quality assurance programs.

HCFA's efforts to provide our hospital specifically, and the health care industry in general, with quality assurance information should be commended.

We also appreciate your public position that even though attempts have been made to further refine the manipulation of the data, this information is limited and cannot be used as a complete measure of quality.

We are very proud of our quality assurance program that is in place at Humana Hospital-Suburban; it is well-established and includes routine review by the Joint Commission on Accreditation of Healthcare Organizations and other outside review agencies, ongoing utilization review, quality assurance, in-hospital morbidity and mortality reviews and analyses of all inpatient mortality.

The raw numbers that you have provided in this release further assist us in confirming our records and in analyzing Medicare patient mortality.

The Quality Assurance staff has reviewed the statistics provided by HCFA. Since some of the deaths attributed to patients in our hospital occurred after discharge, we have been unable to completely validate the data. By category, the number of patients in many cases is too limited to provide a valid statistical analysis. Additionally, predicted ranges have been developed in such a complex and unverifiable way, it would be useless to consider them "standard" ranges.

We also are concerned that the information listed under "Hospital Characteristics" contains inaccurate figures inconsistent with our hospital records, thus we are unable to confirm any of that data.

We stand ready to aid our community in reviewing this very complex data and explaining how this type of information is used to affirm and improve the quality of health care services.

Sincerely,

Jeffrey S. Holland
Executive Director
Humana Hospital-Suburban

JSH/kh

HUMANA HOSP UNIVERSITY

530 S JACKSON ST
LOUISVILLE, KY 40202

Medicare Hospital Provider Number: 180137

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,547	13	8 - 12	1,555	12	8 - 13
Cancer	46	43	28 - 59	58	33	29 - 57
Cerebrovascular Accidents	53	28	13 - 39	41	27	11 - 40
Gastrointestinal Catastrophes	21	43	14 - 58	19	42	16 - 61
Infectious Disease	9	44	16 - 74	26	54	15 - 55
Metabolic/Electrolyte Disorders	34	44	12 - 49	32	22	10 - 43
Pulmonary Disease	61	28	12 - 37	59	24	14 - 38
Renal Failure	6	33	11 - 81	13	46	10 - 71
Severe Acute Heart Disease	28	50	19 - 56	45	38	20 - 50
Severe Chronic Heart Disease	59	22	11 - 33	70	23	12 - 33
Severe Trauma	20	40	6 - 53	20	45	6 - 54
Gastrointestinal Disease	50	8	0 - 52	58	3	1 - 17
Gynecologic Disease	12	0	0 -100	11	0	0 -100
Low-Risk Heart Disease	196	5	1 - 8	157	3	1 - 8
Musculoskeletal/Skin Conditions	149	5	0 - 14	132	3	0 - 14
Neuropsychiatric/Sensory Disease	153	2	0 - 9	163	1	0 - 8
Urologic Disease	32	0	0 - 57	37	0	0 - 66

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1988

Total Beds (#):	404
Ownership/Control:	Private, For Profit

STAFFING

Interns and Residents:	0
Registered Nurses:	319
Licensed Practical Nurses:	35

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	Yes
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

[illegible]
[illegible]
Telephone 502 562-3000

David G. Laird
President

Humana Hospital
University of Louisville

October 21, 1988

Mrs. Sandra Kappert
Health Standards and Quality Bureau, HCFA
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Thank you for the opportunity to comment on the Medicare patient mortality data and the hospital profile characteristics to be published by the Health Care Financing Administration. Humana Hospital - University of Louisville (Medicare Provider #18-0137) supports the Health Care Financing Administration's desire to educate those interested in Medicare quality issues.

This information is helpful in our hospital's ongoing quality assurance program that includes regular and complete review of all admissions which result in patient mortality, regular morbidity reviews, quality assurance, utilization review, as well as complete outside review by the Joint Commission on Accreditation of Health Care Organizations and other outside review organizations.

Since these raw numbers reflect deaths which occurred in only a limited segment of a hospital's patient population (the elderly) and are not adjusted for severity of illness or other factors which may affect patient outcome, they must be considered in that context and should serve as only one of numerous indicators used to review the quality of services provided at an individual hospital. While this statistical data is useful in this format for professional evaluation, it is not beneficial for consumer use. As a result, consumers should be informed as to the limited scope of these numbers, and be cautioned about drawing any conclusions from the data about the quality of a particular hospital's services.

Page two
October 21, 1988
Letter to Mrs. Sandra Kappert

In review of calendar year 1987 Mortality Rates as provided through HCFA's 9/15/88 letter to the Hospital, the Hospital's actual Mortality Rate did not exceed the predicted Mortality Rates in any of the 16 defined Diagnostic Categories. However, in the "all causes" category, the Hospital exceeded the predicted range by 1%.

Since we can not verify the information requested from HCFA concerning the cases reported in the All Causes category, we are unable to review the cases and therefore we cannot confirm the reported data.

We are unable to completely validate the data, since some of the deaths attributed to patients in our hospital occurred after discharge.

I am also concerned that the information listed under "Hospital Characteristics" contains inaccurate information. The hospital does have Interns and Residents. There were 182 Residents in 1986 and 186 Residents during 1987.

Humana Hospital - University of Louisville is a tertiary care and referral center. While we believe that information on hospital mortality rates is useful, until additional statistical measures to deal with complex issues such as severity of illness are developed, we cannot and do not recommend the use of the information to made judgement about the quality of care provided in Humana Hospital - University of Louisville.

Our hospital will do everything possible to assist our community in understanding how this data can best be used to improve health care services.

Sincerely,

David Laird

David G. Laird, President
Humana Hospital - University of Louisville

DGL:vb

HUMANA HOSP-SW

9820 THIRD ST RD
LOUISVILLE, KY 40272

Medicare Hospital Provider Number: 180133

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	898	12	8 - 13	799	10	8 - 13
Cancer	28	43	25 - 62	14	50	16 - 65
Cerebrovascular Accidents	33	24	12 - 43	23	30	13 - 50
Gastrointestinal Catastrophes	6	50	7 - 75	2	50	7 - 95
Infectious Disease	7	29	9 - 71	10	40	12 - 69
Metabolic/Electrolyte Disorders	12	8	12 - 53	27	7	8 - 37
Pulmonary Disease	45	18	14 - 39	37	19	15 - 43
Renal Failure	2	100	10 - 99	5	20	7 - 79
Severe Acute Heart Disease	22	55	17 - 58	32	47	21 - 56
Severe Chronic Heart Disease	43	33	13 - 42	34	26	10 - 41
Severe Trauma	1	0	0 - 97	0	-	-
Gastrointestinal Disease	90	1	0 - 9	54	2	0 - 16
Gynecologic Disease	5	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	129	5	1 - 12	139	2	1 - 8
Musculoskeletal/Skin Conditions	87	2	0 - 12	90	3	0 - 19
Neuropsychiatric/Sensory Disease	19	0	0 - 56	16	0	0 - 44
Urologic Disease	26	4	0 -100	21	0	0 - 43

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	150
Occupancy Rate (%):	48
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	111
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	101
Licensed Practical Nurses:	10

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

[illegible]

**Humana Hospital
Southwest**

October 19, 1988

Mrs. Sandra Kappert
Health Standards and Quality Bureau, HCFA
2-D-2 Meadows East Building
6325 Security Blvd.
Baltimore, Maryland 21207

Dear Mrs. Kappert:

I appreciate the opportunity to comment on the Medicare patient mortality data and the hospital profile characteristics to be published by the Health Care Financing Administration. The information does serve as a part of this hospital's and the health care industry's ongoing quality assurance programs.

HCFA's efforts to provide our hospital specifically, and the health care industry in general, with quality assurance information should be commended.

I also appreciate your public position that even though attempts have been made to further refine the manipulation of the data, this information is limited and cannot be used as a complete measure of quality.

I am very proud of our quality assurance program at Humana Hospital-Southwest; it is well established and includes routine review by the Joint Commission on Accreditation of Healthcare Organizations and other outside review agencies, ongoing utilization review, quality assurance, in-hospital morbidity and mortality reviews, and analyses of all inpatient mortality.

The raw numbers that you have provided in this release further assist us in confirming our records and in analyzing Medicare patient mortality.

The quality assurance staff has reviewed the statistics provided by HCFA. Since some of the deaths attributed to patients in our hospital occurred after discharge, we have been unable to completely validate the data. By category, the number of patients in many cases is too limited to provide a valid statistical analysis. Additionally, predicted ranges have been developed in such a complex and unverifiable way, it would be useless to consider them "standard" ranges.

I am also concerned that the information listed under "Hospital Characteristics" contains inaccurate figures inconsistent with our hospital records, thus we are unable to confirm any of that data.

We stand ready to aid our community in reviewing this very complex data and explaining how this type of information is used to affirm and improve the quality of health care services.

Sincerely,

John A. Fromhold

John A. Fromhold
Executive Director

JAF:dwa

HUMANA HOSPITAL LAKE CUMBERLAND

305 LANGDON ST
SOMERSET, KY 42501

Medicare Hospital Provider Number: 180132

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,828	13	10 - 14	1,799	14	11 - 16
Cancer	58	69	31 - 58	47	53	28 - 59
Cerebrovascular Accidents	66	24	17 - 39	73	33	20 - 43
Gastrointestinal Catastrophes	22	41	11 - 54	16	38	13 - 61
Infectious Disease	14	64	17 - 65	11	45	13 - 68
Metabolic/Electrolyte Disorders	62	21	13 - 40	71	14	15 - 39
Pulmonary Disease	118	25	15 - 34	114	18	16 - 34
Renal Failure	3	67	3 - 87	4	75	6 - 83
Severe Acute Heart Disease	90	31	26 - 47	120	46	30 - 50
Severe Chronic Heart Disease	86	31	17 - 37	82	32	16 - 38
Severe Trauma	1	100	1 - 97	0	-	-
Gastrointestinal Disease	169	0	1 - 5	137	2	1 - 8
Gynecologic Disease	22	0	0 -100	25	0	0 -100
Low-Risk Heart Disease	181	4	1 - 8	201	1	2 - 6
Musculoskeletal/Skin Conditions	138	2	1 - 8	112	3	0 - 11
Neuropsychiatric/Sensory Disease	103	1	0 - 10	101	1	0 - 12
Urologic Disease	99	0	0 - 7	66	5	0 - 41

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	244
Occupancy Rate (%):	52
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	55
Percent of Physicians Who Are Board Certified Specialists:	67
Interns and Residents:	0
Registered Nurses:	100
Licensed Practical Nurses:	32

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Medicare Provider Number
180132

[illegible]
[illegible]
425[illegible]
Te[illegible]

**Humana Hospital
Lake Cumberland**

October 21, 1988

Mrs. Sandra Kappert
Health Standards and Quality Bureau, HCFA
2-D-2 Meadows East Building
6325 Security Blvd.
Baltimore, Maryland 21207

Dear Mrs. Kappert:

We appreciate the opportunity to comment on the Medicare patient mortality data and the hospital profile characteristics to be published by the Health Care Financing Administration. The information does serve as a part of this hospital's and the health care industry's ongoing quality assurance programs.

HCFA's efforts to provide our hospital specifically, and the health care industry in general, with quality assurance information should be commended.

We also appreciate your public position that even though attempts have been made to further refine the manipulation of the data, this information is limited and cannot be used as a complete measure of quality

We are very proud of our Quality Assurance Program that is in place at Humana Hospital-Lake Cumberland; it is well-established and includes routine review by the Joint Commission on Accreditation of Healthcare Organizations and other outside review agencies, ongoing utilization review, quality assurance, in-hospital morbidity and mortality reviews and analyses of all inpatient mortality.

The raw numbers that you have provided in this release further assist us in confirming our records and in analyzing Medicare patient mortality.

The Medical Records Department has reviewed the statistics provided by HCFA. Since some of the deaths attributed to patients in our hopsital occurred after the discharge, we have been unable to completely validate the data. By category, the number of patients in many cases is too limited to provide a valid statistical analysis. Additionally, predicted ranges have been developed in such a complex and unverifiable way, it would be useless to consider them "standard" ranges.

Specifically, all categories listed were reviewed and we have determined that the one patient under the category of "Severe Trauma" was a 90-year-old admitted directly from a nursing home.

In the category of Cancer several facts should be noted. Our hospital is a regional referral center servicing a 12-county area with a population exceeding 100,000. Our hospital is the only facility providing radiation therapy within 100 miles of our city. The average age of the patients in this category was 75. Thirty-nine of the 40 patients counted in our statistics were terminal upon admission and one patient was diagnosed as terminal after admission.

We stand ready to aid our community in reviewing this very complex data and explaining how this type of information is used to affirm and improve the quality of health care services.

Sincerely,

Derek W. Cimala
Executive Director

DWC/vjr

JAMES B HAGGIN MEMORIAL HOSP

464 LINDEN AVE
HARRODSBURG, KY 40330

Medicare Hospital Provider Number: 180030

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	442	13	10 - 17	483	14	10 - 17
Cancer	6	83	27 - 88	13	85	34 - 77
Cerebrovascular Accidents	14	29	10 - 57	16	38	10 - 56
Gastrointestinal Catastrophes	4	25	6 - 80	0	-	-
Infectious Disease	4	50	5 - 82	2	50	1 - 93
Metabolic/Electrolyte Disorders	16	38	12 - 59	17	12	15 - 52
Pulmonary Disease	45	16	13 - 38	42	17	12 - 38
Renal Failure	0	-	-	2	0	1 - 90
Severe Acute Heart Disease	23	30	21 - 59	23	52	21 - 60
Severe Chronic Heart Disease	18	33	10 - 53	16	25	8 - 51
Severe Trauma	1	100	3 - 99	0	-	-
Gastrointestinal Disease	34	6	0 - 48	43	2	0 - 20
Gynecologic Disease	1	0	0 -100	4	25	0 -100
Low-Risk Heart Disease	45	2	0 - 23	71	4	1 - 15
Musculoskeletal/Skin Conditions	21	5	0 - 54	21	5	0 - 56
Neuropsychiatric/Sensory Disease	13	8	0 - 75	9	0	0 - 78
Urologic Disease	16	13	0 -100	11	18	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 80
Occupancy Rate (%): 26
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 19
Percent of Physicians Who Are Board Certified Specialists: 47
Interns and Residents: 0
Registered Nurses: 33
Licensed Practical Nurses: 25

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

James B. Haggin Memorial Hospital
464 Linden Avenue
Harrodsburg, Kentucky 40330
606/734-5441

October 13, 1988

Mr. William L. Roper, M.D.
Administrator
Department of Health & Human Services
Health Care Financing Administration
Meadows East Building, 2 - D - 2
6325 Security Boulevard
Baltimore, MD 21207

Dear Mr. Roper:

We wish to submit the following comments to the release of HCFA Mortality Data.

The average healthcare consumer or the general public will not have sufficient information to interpret the mortality data for its intended use. There is no indication of the severity of illness, therefore one is unable to determine if the mortality rate is acceptable or unacceptable.

An ongoing Quality Assurance Program in our hospital is responsible for regular review by that committee and medical staff. During this study, we found no evidence of substandard quality of care while the patient was in our facility. It should be noted that a large percentage of our Medicare patients who had expired had requested personally or thru a family member that no heroic measures be taken because of their extensive disease and debilitated condition. Also, it was noted in several instances, the patient left our facility alive and in stable condition but expired more than 30 days after discharge. Since we have no information concerning these deaths, it is impossible to ascertain the circumstance or even the proper diagnosis or cause of death. Therefore, these cases may or may not be listed in the correct category.

Fortunately, we are pleased to learn that the mortality rates for our hospital are in the expected Range for Predicted Mortality (one percent) except in the Category of Severe Trauma. Let me hasten to point out that we had only one case for the entire year of 1987, so as expected, Actual Mortality Rate percentage was 100 percent. Range for Predicted Mortality was 3-99. This one case was an 85 year-old male who had a subdural hematoma secondary to a fall down his basement steps. After stabilization, he was immediately transferred to another acute care hospital since we have no neurosurgeon on our staff. I have been assured that his treatment was appropriate in every respect.

Please be advised, we at James B. Haggin Memorial Hospital are constantly monitoring our quality and appropriateness of care and strive to render the highest quality of care possible.

Thank you for giving us the opportunity to comment on this data.

Sincerely,

William O. Leach
Administrator

dh

JANE TODD CRAWFORD MEMORIAL HOSP

202 MILBY ST
GREENSBURG, KY 42743

Medicare Hospital Provider Number: 180047

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	188	18	9 - 21	240	16	8 - 19
Cancer	2	0	5 - 89	4	75	17 - 91
Cerebrovascular Accidents	5	20	6 - 74	10	50	10 - 66
Gastrointestinal Catastrophes	1	0	2 - 97	1	100	1 - 97
Infectious Disease	4	25	5 - 80	3	33	10 - 91
Metabolic/Electrolyte Disorders	6	17	6 - 69	6	50	3 - 75
Pulmonary Disease	26	54	18 - 56	21	48	15 - 57
Renal Failure	2	100	9 - 94	0	-	-
Severe Acute Heart Disease	3	100	13 - 85	5	60	11 - 81
Severe Chronic Heart Disease	10	20	12 - 62	11	18	8 - 56
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	18	11	0 - 97	35	6	0 - 34
Gynecologic Disease	6	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	9	0	0 - 97	26	4	1 - 30
Musculoskeletal/Skin Conditions	15	0	0 - 91	20	5	0 - 98
Neuropsychiatric/Sensory Disease	12	0	0 -100	16	6	0 -100
Urologic Disease	12	8	0 -100	6	0	0 - 93

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	70
Occupancy Rate (%):	44
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	7
Percent of Physicians Who Are Board Certified Specialists:	14
Interns and Residents:	0
Registered Nurses:	15
Licensed Practical Nurses:	15

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

JENKINS COMMUNITY HOSP

MAIN ST BOX 472
JENKINS, KY 41537

Medicare Hospital Provider Number: 180006

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	225	10	7 - 16	269	10	8 - 16
Cancer	2	50	7 - 96	5	20	11 - 78
Cerebrovascular Accidents	8	0	11 - 52	6	33	12 - 77
Gastrointestinal Catastrophes	3	33	2 - 86	0	-	-
Infectious Disease	0	-	-	2	50	2 - 92
Metabolic/Electrolyte Disorders	10	10	11 - 57	12	17	7 - 55
Pulmonary Disease	20	15	8 - 43	12	25	5 - 56
Renal Failure	1	0	0 - 98	2	100	9 - 99
Severe Acute Heart Disease	10	60	16 - 71	9	33	19 - 75
Severe Chronic Heart Disease	10	30	7 - 62	17	12	7 - 43
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	22	5	0 - 53	25	4	0 - 35
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	39	3	0 - 22	57	7	0 - 23
Musculoskeletal/Skin Conditions	17	0	0 - 97	22	0	0 - 72
Neuropsychiatric/Sensory Disease	6	0	0 - 97	5	0	0 - 86
Urologic Disease	3	0	0 -100	8	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	60
Occupancy Rate (%):	33
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	7
Percent of Physicians Who Are Board Certified Specialists:	57
Interns and Residents:	0
Registered Nurses:	17
Licensed Practical Nurses:	14

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

JENNIE STUART MEDICAL CENTER

320 W 18TH ST
HOPKINSVILLE, KY 42240

Medicare Hospital Provider Number: 180051

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,543	15	10 - 15	1,777	14	10 - 15
Cancer	33	52	26 - 61	54	43	30 - 59
Cerebrovascular Accidents	55	22	16 - 39	26	19	12 - 44
Gastrointestinal Catastrophes	10	50	14 - 71	18	72	24 - 67
Infectious Disease	12	67	25 - 76	19	37	14 - 58
Metabolic/Electrolyte Disorders	35	26	14 - 48	32	34	10 - 47
Pulmonary Disease	126	33	20 - 39	153	22	17 - 34
Renal Failure	6	67	9 - 80	7	29	12 - 80
Severe Acute Heart Disease	82	32	27 - 49	78	53	29 - 52
Severe Chronic Heart Disease	75	25	12 - 33	86	31	18 - 38
Severe Trauma	2	100	8 - 92	0	-	-
Gastrointestinal Disease	134	8	1 - 14	191	5	1 - 9
Gynecologic Disease	28	0	0 -100	23	0	0 -100
Low-Risk Heart Disease	155	5	1 - 9	176	1	2 - 5
Musculoskeletal/Skin Conditions	82	6	0 - 23	116	4	0 - 13
Neuropsychiatric/Sensory Disease	36	3	0 - 28	37	8	0 - 68
Urologic Disease	127	2	0 - 12	106	2	0 - 13

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	150
Occupancy Rate (%):	67
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	55
Percent of Physicians Who Are Board Certified Specialists:	75
Interns and Residents:	0
Registered Nurses:	116
Licensed Practical Nurses:	67

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

October 18, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

Jennie Stuart Medical Center, in response to the Health Care Financing Administration's plan to publish mortality rates for Medicare patients, has developed the attached comments. We have included our 1986 comments because there were discrepancies in the HCFA data and our data for that year. There were also discrepancies in our 1987 data in regard to bed size.

We hope our comments will be reviewed carefully and included in the final publication to prevent publication of inaccurate information about our Hospital.

If any additional information is needed, please do not hesitate to contact me.

Sincerely,

James H. Walker
Administrator

mnp

Enclosures

**Jennie
Stuart
Medical
Center**

JAMES H. WALKER,
Administrator

JEWISH HOSP

217 E CHESTNUT STREET
LOUISVILLE, KY 40202

Medicare Hospital Provider Number: 180040

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,647	12	10 - 14	3,821	12	9 - 14
Cancer	104	41	29 - 52	122	44	32 - 54
Cerebrovascular Accidents	131	24	19 - 35	92	27	16 - 36
Gastrointestinal Catastrophes	37	32	21 - 55	37	32	17 - 52
Infectious Disease	93	28	26 - 49	78	24	24 - 49
Metabolic/Electrolyte Disorders	61	23	17 - 44	69	22	16 - 42
Pulmonary Disease	176	26	21 - 38	174	26	18 - 35
Renal Failure	41	22	5 - 54	66	26	8 - 56
Severe Acute Heart Disease	109	42	25 - 46	100	39	27 - 48
Severe Chronic Heart Disease	156	24	16 - 31	155	28	16 - 32
Severe Trauma	7	29	6 - 70	5	60	4 - 78
Gastrointestinal Disease	167	2	2 - 8	232	3	1 - 7
Gynecologic Disease	20	0	0 -100	18	0	0 -100
Low-Risk Heart Disease	768	5	2 - 6	728	5	2 - 6
Musculoskeletal/Skin Conditions	306	2	1 - 5	369	2	1 - 5
Neuropsychiatric/Sensory Disease	105	1	0 - 9	166	2	1 - 8
Urologic Disease	105	3	0 - 12	73	1	0 - 18

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	454
Occupancy Rate (%):	66
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	203
Percent of Physicians Who Are Board Certified Specialists:	80
Interns and Residents:	0
Registered Nurses:	492
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	Yes
Hospice Care:	No

Jewish Hospital

21 October 1988

William L. Roper, M.D.
Administrator
Health Care Financing Administration
6325 Security Boulevard
Baltimore, Maryland 21207

RE: Jewish Hospital, Louisville, Kentucky
Medicare Provider Number 18-0040

Dear Dr. Roper:

This letter is written in response to the Health Care Financing Administration's (HCFA's) request for comments on the publication of 1987 hospital mortality information for Medicare patients.

Jewish Hospital is a 442 bed, acute care, tertiary medical center committed to providing the highest quality medical services available. Dedication to a high-risk medical agenda coupled with research and teaching programs with the University of Louisville School of Medicine continue to enhance Jewish Hospital's recognition as a regional referral center.

Before responding to the HCFA's model, it is necessary to correct errors included in the reporting of hospital characteristics. For instance, Jewish Hospital does have a Coronary Care Unit - in fact, it houses the Jewish Hospital Heart and Lung Institute, a nationally recognized entity committed to the total care of heart and lung patients. Besides a critical care component, the Institute includes an organ transplantation program, cardiac rehab services and diagnostic facilities such as catheterization labs.

It is important that the information detailing the hospital characteristics be fact-based and accurate. Thus, given that the Medicare Hospital Mortality Information is calculated for 1987, it would follow that data for hospital characteristics should reflect 1987 statistics, as well.

It would be more valid to present mortality data with statistics present in 1987, and for Jewish Hospital, those are the following:

217 East Chestnut Street
Louisville, Kentucky 40202-1886
(502) 587-4011

Beds (#)	442
Occupancy Rate (%)	66.3
Ownership/Control	Private, non-profit

Staffing:

Total number of physicians	214
Percent of physicians who are board certified specialists	76
Interns and residents per bed	0.03
Registered nurses per bed	1.29
Licensed practical nurses per bed	0.02

Specialty services:

Shock/trauma or burn unit	YES
Coronary Care Unit	YES
Organ Transplant Service	YES
Hospice Care	NO

As a major, regional medical facility, Jewish Hospital strongly supports the public's right to informed decisions regarding their health care. However, because mortality rates for Medicare patients are only a single, limited indicator, we support your efforts to continue the development of reliable indicators to provide consumers useful information for making choices regarding their health care.

Finally, we maintain our belief that patients should be encouraged to consult their physician with questions they may have regarding the published data, insofar as physicians are the best source of information regarding quality of care.

Sincerely,

Douglas E. Shaw
Senior Vice President
Chief Operating Officer

DESddf

KINGS DAUGHTERS MEDICAL CENTER

2201 LEXINGTON AVE
ASHLAND, KY 41101

Medicare Hospital Provider Number: 180009

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,309	10	9 - 13	2,264	11	10 - 14
Cancer	64	39	32 - 59	90	41	34 - 58
Cerebrovascular Accidents	80	26	17 - 37	81	36	18 - 40
Gastrointestinal Catastrophes	10	20	7 - 60	10	30	10 - 66
Infectious Disease	20	55	16 - 59	24	58	18 - 59
Metabolic/Electrolyte Disorders	33	33	9 - 45	50	20	10 - 39
Pulmonary Disease	130	19	17 - 34	160	14	17 - 33
Renal Failure	17	35	16 - 72	13	23	9 - 67
Severe Acute Heart Disease	81	38	27 - 50	68	50	27 - 52
Severe Chronic Heart Disease	127	19	16 - 31	139	19	16 - 31
Severe Trauma	4	0	5 - 71	2	0	2 - 89
Gastrointestinal Disease	155	3	1 - 8	162	1	1 - 6
Gynecologic Disease	17	0	0 -100	22	0	0 -100
Low-Risk Heart Disease	302	2	2 - 5	269	3	1 - 7
Musculoskeletal/Skin Conditions	150	2	0 - 9	144	4	0 - 12
Neuropsychiatric/Sensory Disease	175	1	0 - 9	123	1	1 - 7
Urologic Disease	76	3	0 - 18	116	3	0 - 15

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	315
Occupancy Rate (%):	62
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	96
Percent of Physicians Who Are Board Certified Specialists:	70
Interns and Residents:	0
Registered Nurses:	236
Licensed Practical Nurses:	119

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

KNOX CO GENERAL HOSP

321 E HIGH ST
BARBOURVILLE, KY 40906

Medicare Hospital Provider Number: 180063

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	466	16	10 - 17	478	13	9 - 16
Cancer	12	83	35 - 80	5	100	16 - 72
Cerebrovascular Accidents	19	47	13 - 56	18	28	14 - 55
Gastrointestinal Catastrophes	0	-	-	3	0	8 - 81
Infectious Disease	10	30	13 - 68	3	33	5 - 87
Metabolic/Electrolyte Disorders	26	31	9 - 48	22	36	13 - 55
Pulmonary Disease	38	32	14 - 45	24	29	17 - 54
Renal Failure	4	75	17 - 93	3	67	13 - 97
Severe Acute Heart Disease	14	43	21 - 70	18	67	27 - 69
Severe Chronic Heart Disease	13	31	9 - 58	12	42	8 - 61
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	34	6	0 - 63	37	3	0 - 30
Gynecologic Disease	1	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	71	3	0 - 15	85	1	1 - 9
Musculoskeletal/Skin Conditions	32	3	0 - 65	41	2	0 - 24
Neuropsychiatric/Sensory Disease	25	0	0 - 75	16	0	0 -100
Urologic Disease	13	0	0 -100	5	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	58
Occupancy Rate (%):	60
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	11
Percent of Physicians Who Are Board Certified Specialists:	45
Interns and Residents:	0
Registered Nurses:	17
Licensed Practical Nurses:	28

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Knox County Hospital Operating Corp.
ADMINISTRATIVE OFFICES 321 HIGH STREET
P.O BOX 260
BARBOURVILLE, KENTUCKY 40906

TELEPHONE (606) 546-4175

October 21, 1988

Health Care Finacing Administration
Health Standards and Quality Bureau
Meadows East Building, 2-D-2
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Sirs:

In regards to your mortality report we are responding with the following information. There were 74 deaths in our facility or within 30 days following admission to this hospital. Of these 74 deaths, 12 patients were admitted for terminal care of advanced carcinoma. In addition to the previous mentioned cases, 9 patients were designated (Do Not Resuscitate) on admission due to other chronic morbid conditions.

Due to a lack of a Hospice program in this area and a total of 8 skilled beds in this county, the general population relies on this facility to render terminal care. We have always offered our services to these families in the past and will continue to do so in the future even though this may show an increase in our mortality rate.

Nineteen of those deaths occurring after discharge cannot be tracked and there is no way of knowing the actual cause of death. It is unknown if the advice and instructions of medical management were followed after discharge. Therefore, we feel it is very unfair to attribute their deaths to the care they recieved in this hospital.

We thank you for your suggestion on your MMPS program however our physicians are a very capable and responsible group and have always performed mortality review in this facility in regards to quality of care.

Respectfully submitted,

Ray Canady, Adm.

Ray Canady, Adm.

RC/tb

LIVINGSTON CO HOSP

PO BOX 138
SALEM, KY 42078

Medicare Hospital Provider Number: 180121

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	276	7	8 - 15	268	6	6 - 13
Cancer	5	60	18 - 89	0	-	-
Cerebrovascular Accidents	5	80	11 - 77	4	25	3 - 80
Gastrointestinal Catastrophes	2	0	1 - 89	1	100	1 - 97
Infectious Disease	4	0	7 - 72	3	67	8 - 89
Metabolic/Electrolyte Disorders	13	15	7 - 53	10	0	4 - 44
Pulmonary Disease	17	24	8 - 50	27	11	8 - 37
Renal Failure	0	-	-	3	33	6 - 89
Severe Acute Heart Disease	6	50	11 - 78	3	33	4 - 86
Severe Chronic Heart Disease	8	25	9 - 67	6	0	4 - 57
Severe Trauma	0	-	-	1	0	0 - 98
Gastrointestinal Disease	39	0	0 - 17	38	5	0 - 46
Gynecologic Disease	1	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	42	0	1 - 12	31	3	0 - 38
Musculoskeletal/Skin Conditions	15	0	0 - 69	19	5	0 - 95
Neuropsychiatric/Sensory Disease	18	0	0 - 50	5	0	0 -100
Urologic Disease	5	0	0 -100	6	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	26
Occupancy Rate (%):	62
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	3
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	19
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

LOGAN MEMORIAL HOSP

1625 S NASHVILLE RD
RUSSELLVILLE, KY 42276

Medicare Hospital Provider Number: 180066

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	619	15	10 - 17	629	13	9 - 16
Cancer	11	64	18 - 71	9	56	12 - 71
Cerebrovascular Accidents	31	26	14 - 46	24	46	12 - 51
Gastrointestinal Catastrophes	2	0	1 - 89	2	0	4 - 89
Infectious Disease	13	54	15 - 67	13	31	12 - 62
Metabolic/Electrolyte Disorders	32	31	10 - 46	39	31	12 - 45
Pulmonary Disease	54	22	15 - 40	49	22	16 - 42
Renal Failure	3	33	3 - 87	1	0	3 - 98
Severe Acute Heart Disease	19	37	19 - 61	15	33	17 - 63
Severe Chronic Heart Disease	41	17	13 - 37	47	26	11 - 38
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	69	3	0 - 16	77	3	1 - 13
Gynecologic Disease	6	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	81	5	1 - 14	105	4	2 - 11
Musculoskeletal/Skin Conditions	57	7	0 - 43	50	2	1 - 15
Neuropsychiatric/Sensory Disease	6	0	0 -100	15	7	0 - 99
Urologic Disease	16	6	0 - 59	10	10	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 100
Occupancy Rate (%): 39
Ownership/Control: Private, For Profit

STAFFING

Total Number of Physicians: 16
Percent of Physicians Who Are Board Certified Specialists: 38
Interns and Residents: 0
Registered Nurses: 31
Licensed Practical Nurses: 21

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

LOURDES HOSP

1530 LONE OAK ROAD
PADUCAH, KY 42001

Medicare Hospital Provider Number: 180102

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,260	10	9 - 13	3,229	10	9 - 13
Cancer	100	36	31 - 54	101	36	33 - 56
Cerebrovascular Accidents	133	24	19 - 35	123	29	19 - 37
Gastrointestinal Catastrophes	25	32	16 - 55	30	30	19 - 56
Infectious Disease	38	34	16 - 50	32	50	19 - 56
Metabolic/Electrolyte Disorders	72	13	13 - 37	56	29	14 - 43
Pulmonary Disease	258	20	18 - 32	219	18	17 - 32
Renal Failure	18	33	10 - 65	20	50	21 - 76
Severe Acute Heart Disease	85	36	25 - 48	79	42	27 - 51
Severe Chronic Heart Disease	114	27	16 - 34	97	24	15 - 34
Severe Trauma	7	29	7 - 71	7	29	6 - 70
Gastrointestinal Disease	273	2	2 - 7	260	3	1 - 6
Gynecologic Disease	28	0	0 -100	31	0	0 -100
Low-Risk Heart Disease	436	3	1 - 5	370	4	2 - 6
Musculoskeletal/Skin Conditions	297	2	1 - 5	327	2	1 - 5
Neuropsychiatric/Sensory Disease	144	2	0 - 9	180	2	0 - 8
Urologic Disease	121	4	0 - 17	117	2	0 - 13

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	352
Occupancy Rate (%):	76
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	98
Percent of Physicians Who Are Board Certified Specialists:	81
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

MARCUM & WALLACE MEMORIAL HOSP

201 RICHMOND AV
IRVINE, KY 40336

Medicare Hospital Provider Number: 180058

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	219	16	10 - 21	245	14	9 - 18
Cancer	2	100	5 - 89	2	100	6 - 90
Cerebrovascular Accidents	10	50	7 - 64	8	38	8 - 69
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	16	25	14 - 59	19	0	14 - 39
Pulmonary Disease	23	26	17 - 54	29	34	12 - 48
Renal Failure	3	67	11 - 94	0	-	-
Severe Acute Heart Disease	3	100	18 - 90	4	25	5 - 80
Severe Chronic Heart Disease	19	32	9 - 50	18	39	12 - 56
Severe Trauma	1	0	1 - 97	0	-	-
Gastrointestinal Disease	15	7	0 - 66	9	0	0 - 90
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	47	4	0 - 23	56	5	0 - 22
Musculoskeletal/Skin Conditions	11	0	0 - 91	24	0	0 - 45
Neuropsychiatric/Sensory Disease	2	0	0 -100	5	0	0 -100
Urologic Disease	3	33	0 -100	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	26
Occupancy Rate (%):	42
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	5
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	10
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MARSHALL CO HOSP

503 GEORGE MCCLAIN DR
BENTON, KY 42025

Medicare Hospital Provider Number: 180026

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	425	11	9 - 16	412	13	9 - 16
Cancer	4	50	12 - 87	5	80	13 - 80
Cerebrovascular Accidents	20	25	13 - 52	10	30	5 - 61
Gastrointestinal Catastrophes	7	0	10 - 57	3	33	4 - 86
Infectious Disease	5	60	5 - 78	4	25	7 - 81
Metabolic/Electrolyte Disorders	7	14	2 - 66	8	25	4 - 66
Pulmonary Disease	36	22	12 - 41	29	21	11 - 43
Renal Failure	2	100	11 - 96	2	0	6 - 91
Severe Acute Heart Disease	25	44	22 - 61	16	88	29 - 65
Severe Chronic Heart Disease	18	22	8 - 48	34	26	14 - 44
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	44	0	0 - 15	44	0	1 - 12
Gynecologic Disease	6	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	70	3	1 - 13	58	3	1 - 17
Musculoskeletal/Skin Conditions	25	4	0 - 90	21	5	0 - 76
Neuropsychiatric/Sensory Disease	3	0	0 -100	7	0	0 -100
Urologic Disease	3	0	0 -100	7	29	0 - 98

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	80
Occupancy Rate (%):	64
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	19
Percent of Physicians Who Are Board Certified Specialists:	74
Interns and Residents:	0
Registered Nurses:	23
Licensed Practical Nurses:	21

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MARY BRECKINRIDGE HOSP

HOSPITAL DR
HYDEN, KY 41749

Medicare Hospital Provider Number: 180129

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	194	12	9 - 19	226	11	9 - 18
Cancer	2	50	4 - 93	4	75	17 - 90
Cerebrovascular Accidents	8	25	7 - 65	3	0	3 - 79
Gastrointestinal Catastrophes	0	-	-	2	50	6 - 94
Infectious Disease	1	0	0 - 99	8	50	10 - 72
Metabolic/Electrolyte Disorders	5	20	3 - 75	3	33	0 - 92
Pulmonary Disease	17	24	14 - 55	19	21	13 - 51
Renal Failure	1	100	1 - 97	0	-	-
Severe Acute Heart Disease	8	25	11 - 68	3	33	5 - 87
Severe Chronic Heart Disease	8	25	6 - 65	11	18	6 - 55
Severe Trauma	0	-	-	1	0	0 - 99
Gastrointestinal Disease	14	0	0 - 68	10	10	0 - 99
Gynecologic Disease	1	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	34	9	0 - 64	47	0	2 - 11
Musculoskeletal/Skin Conditions	12	0	1 - 41	14	0	0 - 45
Neuropsychiatric/Sensory Disease	3	0	0 - 97	8	0	0 -100
Urologic Disease	2	0	0 -100	7	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	40
Occupancy Rate (%):	43
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	6
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	33
Licensed Practical Nurses:	19

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MARY CHILES HOSP

50 STERLING AVE
MOUNT STERLING, KY 40353

Medicare Hospital Provider Number: 180064

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	640	15	11 - 18	611	15	11 - 18
Cancer	10	80	28 - 79	16	69	26 - 71
Cerebrovascular Accidents	25	32	13 - 49	22	27	12 - 50
Gastrointestinal Catastrophes	3	33	3 - 86	5	20	8 - 76
Infectious Disease	14	29	14 - 61	18	44	14 - 59
Metabolic/Electrolyte Disorders	16	13	5 - 46	21	19	12 - 50
Pulmonary Disease	77	34	21 - 44	61	28	14 - 39
Renal Failure	3	100	13 - 88	3	67	10 - 93
Severe Acute Heart Disease	26	42	21 - 58	30	30	21 - 54
Severe Chronic Heart Disease	26	4	14 - 35	23	26	11 - 47
Severe Trauma	0	-	-	1	0	0 - 98
Gastrointestinal Disease	52	2	0 - 16	58	2	1 - 13
Gynecologic Disease	5	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	79	1	1 - 9	82	4	1 - 13
Musculoskeletal/Skin Conditions	35	9	0 - 50	28	4	0 - 48
Neuropsychiatric/Sensory Disease	17	0	0 - 43	10	0	0 - 99
Urologic Disease	13	0	0 - 92	14	0	0 - 86

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	103
Occupancy Rate (%):	70
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	27
Percent of Physicians Who Are Board Certified Specialists:	63
Interns and Residents:	0
Registered Nurses:	40
Licensed Practical Nurses:	15

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MARYMOUNT HOSP

EAST NINTH ST
LONDON, KY 40741

Medicare Hospital Provider Number: 180011

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	826	14	9 - 15	763	15	11 - 17
Cancer	16	81	28 - 69	14	50	20 - 69
Cerebrovascular Accidents	28	21	12 - 44	24	42	16 - 55
Gastrointestinal Catastrophes	9	33	9 - 68	1	100	3 - 98
Infectious Disease	6	50	5 - 75	15	47	15 - 64
Metabolic/Electrolyte Disorders	23	13	9 - 44	25	16	11 - 46
Pulmonary Disease	56	38	15 - 43	31	32	12 - 46
Renal Failure	4	50	4 - 84	3	33	8 - 91
Severe Acute Heart Disease	37	51	24 - 56	40	50	26 - 58
Severe Chronic Heart Disease	46	22	14 - 39	45	31	15 - 42
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	78	0	1 - 7	65	6	0 - 20
Gynecologic Disease	8	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	121	2	1 - 9	88	1	1 - 9
Musculoskeletal/Skin Conditions	48	0	0 - 21	49	0	0 - 15
Neuropsychiatric/Sensory Disease	33	3	1 - 24	22	9	0 - 97
Urologic Disease	14	7	0 -100	8	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	67
Occupancy Rate (%):	70
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MCDOWELL APPALACHIAN REGIONAL HOSP

PO BOX 247
MCDOWELL, KY 41647

Medicare Hospital Provider Number: 180028

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	340	7	8 - 15	317	8	8 - 15
Cancer	4	25	14 - 88	2	100	12 - 96
Cerebrovascular Accidents	1	100	3 - 98	9	44	9 - 68
Gastrointestinal Catastrophes	1	100	3 - 98	1	100	2 -100
Infectious Disease	3	67	10 - 91	2	0	4 - 89
Metabolic/Electrolyte Disorders	9	22	11 - 66	15	7	6 - 43
Pulmonary Disease	38	11	13 - 37	34	3	14 - 32
Renal Failure	1	100	2 - 97	3	33	7 - 89
Severe Acute Heart Disease	7	43	11 - 74	3	100	15 - 87
Severe Chronic Heart Disease	20	20	13 - 49	10	30	12 - 66
Severe Trauma	0	-	-	1	0	0 - 99
Gastrointestinal Disease	46	0	0 - 13	44	2	0 - 20
Gynecologic Disease	2	0	0 -100	0	-	-
Low-Risk Heart Disease	51	0	0 - 11	64	2	1 - 12
Musculoskeletal/Skin Conditions	28	0	0 - 30	24	0	0 - 82
Neuropsychiatric/Sensory Disease	4	0	0 -100	4	25	0 -100
Urologic Disease	4	0	0 -100	6	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	60
Occupancy Rate (%):	50
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	11
Percent of Physicians Who Are Board Certified Specialists:	55
Interns and Residents:	0
Registered Nurses:	20
Licensed Practical Nurses:	14

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MCLEAN CO GENERAL HOSP

US 81 N
CALHOUN, KY 42327

Medicare Hospital Provider Number: 180060

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	73	21	7 - 27	86	24	11 - 30
Cancer	1	100	1 - 97	2	50	7 - 96
Cerebrovascular Accidents	6	83	7 - 69	5	60	3 - 77
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	2	50	1 - 94	1	0	2 - 97
Metabolic/Electrolyte Disorders	3	0	0 - 87	5	20	4 - 74
Pulmonary Disease	5	60	8 - 79	11	36	16 - 69
Renal Failure	2	50	2 - 92	0	-	-
Severe Acute Heart Disease	3	33	2 - 86	3	67	5 - 86
Severe Chronic Heart Disease	2	0	0 - 92	11	27	7 - 59
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	4	0	2 - 72	6	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	8	13	0 - 99	3	0	0 -100
Musculoskeletal/Skin Conditions	6	0	0 -100	5	0	0 -100
Neuropsychiatric/Sensory Disease	4	0	0 -100	6	0	0 - 98
Urologic Disease	5	0	0 -100	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	26
Occupancy Rate (%):	(not available)
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	(not available)
Burn Unit:	(not available)
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	(not available)
Organ Transplant Service:	(not available)
Hospice Care:	(not available)

MEADOWVIEW REGIONAL HOSP

989 W HWY 10
MAYSVILLE, KY 41056

Medicare Hospital Provider Number: 180019

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	902	15	10 - 16	911	13	10 - 16
Cancer	18	67	30 - 73	16	44	20 - 67
Cerebrovascular Accidents	31	32	14 - 47	37	27	15 - 45
Gastrointestinal Catastrophes	6	67	12 - 78	7	29	9 - 71
Infectious Disease	10	40	10 - 66	17	47	20 - 67
Metabolic/Electrolyte Disorders	47	30	13 - 45	55	20	12 - 40
Pulmonary Disease	53	34	16 - 43	46	13	14 - 37
Renal Failure	2	50	6 - 95	1	100	3 - 99
Severe Acute Heart Disease	39	31	25 - 55	48	42	26 - 55
Severe Chronic Heart Disease	47	15	12 - 35	48	27	14 - 40
Severe Trauma	1	0	0 - 99	1	0	0 - 98
Gastrointestinal Disease	71	1	1 - 11	49	6	0 - 25
Gynecologic Disease	11	0	0 -100	9	0	0 -100
Low-Risk Heart Disease	97	6	1 - 14	88	2	1 - 10
Musculoskeletal/Skin Conditions	83	5	0 - 18	88	3	0 - 13
Neuropsychiatric/Sensory Disease	18	6	0 - 67	27	4	0 - 93
Urologic Disease	50	2	0 - 31	50	2	0 - 19

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	111
Occupancy Rate (%):	51
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	28
Percent of Physicians Who Are Board Certified Specialists:	68
Interns and Residents:	0
Registered Nurses:	57
Licensed Practical Nurses:	13

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MEADOWVIEW
REGIONAL
HOSPITAL

PROVIDER NO.: 180019

UNDERSTANDING HCFA MORTALITY DATA

Interpreting and understanding the HCFA's release of mortality data on Medicare patients can be very complex and difficult. Therefore for a better understanding, a few important points should be kept in mind. First, the mortality data has been derived from a statistical model which is based upon estimating the mortality of each individual patient and then an average of all these estimates is used to derive the mortality rates. The difficulty with this model is that the estimates assume each patient to be "average" except for the few individual characteristics used in the model. In other words, the model ignores measures of severity and complicating illnesses of the patients. Second, the model has not been validated. Deviations from the predicted mortality rates do not necessarily mean that the hospital has provided a sub-standard quality of care, but instead such deviations reflect the previously mentioned exclusions of the model. Finally, the HCFA data is not all inclusive. Only Medicare deaths which occurred within thirty (30) days of the last admission to the hospital during 1987 were considered in the calculation of the mortality rates.

After a complete case by case review of the noted Medicare deaths, the following are some specific factors related to our hospital that will help you to interpret the data more clearly.

(1) The diagnostic category is based upon the principal diagnosis or the reason for admission to the hospital. Many times this admittance is for an acute problem resulting form a chronic underlying disease. For example, many patients included in the "Metabolic/Electrolyte Disturbances" category were admitted to the hospital due to dehydration. Nearly all of these patients had terminal cancer, of which all later died. Cancer was the underlying disease process causing death, however, the last admission was

989 West Highway 10
Maysville, Kentucky 41056
Telephone (606) 759-5311

An Affiliate of
HEALTHTRUST
INC. The Hospital Company

UNDERSTANDING HCFA MORTALITY DATA

attributed to dehydration, a result of cancer. Therefore the reporting of these deaths in this category is misleading as to the actual cause of death. So, it is important to remember that the diagnostic category does not necessarily represent the cause of death.

(2) In many cases death was the expected outcome of the patient at the time of admittance. Over half of the noted in-patient deaths included do not resuscitate orders. In these cases death was the result of following the wishes of the patient and/or their family's with respect to extraordinary efforts.

(3) Some of the reported deaths occurred outside of the hospital. The confirmation of these cases are unattainable and the cause of these deaths remain unknown. These cases are worthy of mention because we are unable to determine if these deaths are attributable to the care they received.

The HCFA mortality data is not, in itself, a measure of a hospital's performance. Under no circumstances should this data be used as basis for judging the quality of care provided by this, or any hospital. Instead the data should be used as an aid to better focus on the on-going quality assurance activities within the hospital. At the present organizations such as the American Hospital Association and the Joint Commission for Accreditation of Healthcare Organizations are investigating better methods of more accurately evaluating quality care based on measures other than mortality rates.

MEMORIAL HOSP

401 MEMORIAL DR
MANCHESTER, KY 40962

Medicare Hospital Provider Number: 180043

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	518	15	12 - 19	536	14	11 - 17
Cancer	9	56	23 - 81	6	50	13 - 80
Cerebrovascular Accidents	30	33	14 - 48	20	35	11 - 53
Gastrointestinal Catastrophes	3	100	12 - 84	3	33	5 - 87
Infectious Disease	3	33	8 - 89	6	50	12 - 79
Metabolic/Electrolyte Disorders	17	35	8 - 55	29	10	16 - 45
Pulmonary Disease	70	24	23 - 45	57	32	18 - 44
Renal Failure	2	50	6 - 95	2	100	10 - 95
Severe Acute Heart Disease	12	75	19 - 67	8	63	19 - 78
Severe Chronic Heart Disease	24	25	14 - 49	21	38	13 - 54
Severe Trauma	1	0	0 - 99	0	-	-
Gastrointestinal Disease	40	0	3 - 13	57	5	1 - 18
Gynecologic Disease	3	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	82	1	2 - 9	82	1	1 - 9
Musculoskeletal/Skin Conditions	31	6	0 - 49	29	0	1 - 20
Neuropsychiatric/Sensory Disease	15	13	0 -100	16	0	0 - 80
Urologic Disease	11	9	0 - 70	9	0	0 - 60

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	63
Occupancy Rate (%):	71
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	13
Percent of Physicians Who Are Board Certified Specialists:	31
Interns and Residents:	0
Registered Nurses:	23
Licensed Practical Nurses:	15

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MERCY HOSPITAL

1006 FORD AV
OWENSBORO, KY 42301

Medicare Hospital Provider Number: 180015

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,228	11	8 - 13	1,198	11	8 - 13
Cancer	27	44	27 - 65	32	44	28 - 64
Cerebrovascular Accidents	47	28	14 - 41	33	36	13 - 46
Gastrointestinal Catastrophes	5	20	7 - 75	6	33	14 - 81
Infectious Disease	14	36	11 - 60	12	58	17 - 69
Metabolic/Electrolyte Disorders	41	17	13 - 43	36	19	8 - 40
Pulmonary Disease	77	30	15 - 38	65	20	13 - 35
Renal Failure	4	75	18 - 96	5	60	10 - 85
Severe Acute Heart Disease	30	50	19 - 55	23	35	21 - 60
Severe Chronic Heart Disease	43	30	11 - 39	62	27	15 - 38
Severe Trauma	4	0	6 - 72	1	0	2 - 97
Gastrointestinal Disease	121	2	1 - 8	112	2	1 - 9
Gynecologic Disease	13	8	0 -100	15	0	0 -100
Low-Risk Heart Disease	137	1	2 - 6	129	2	1 - 8
Musculoskeletal/Skin Conditions	90	3	0 - 18	95	2	0 - 15
Neuropsychiatric/Sensory Disease	45	7	0 - 61	75	1	0 - 12
Urologic Disease	77	0	0 - 10	78	3	0 - 18

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 125
Occupancy Rate (%): 65
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 139
Percent of Physicians Who Are Board Certified Specialists: 55
Interns and Residents: 0
Registered Nurses: 93
Licensed Practical Nurses: 33

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: No

METHODIST EVANGELICAL HOSP

315 E BROADWAY
LOUISVILLE, KY 40202

Medicare Hospital Provider Number: 180081

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,656	10	10 - 14	2,759	10	9 - 13
Cancer	84	40	29 - 54	99	38	28 - 52
Cerebrovascular Accidents	111	18	18 - 35	103	34	18 - 38
Gastrointestinal Catastrophes	17	47	16 - 63	19	37	19 - 63
Infectious Disease	29	31	19 - 55	15	47	17 - 66
Metabolic/Electrolyte Disorders	110	32	13 - 38	74	24	13 - 40
Pulmonary Disease	115	28	20 - 39	131	24	16 - 34
Renal Failure	18	28	14 - 67	25	36	13 - 66
Severe Acute Heart Disease	74	20	30 - 50	74	38	26 - 49
Severe Chronic Heart Disease	127	19	14 - 30	115	22	17 - 34
Severe Trauma	4	25	5 - 80	7	29	7 - 71
Gastrointestinal Disease	164	1	1 - 6	183	2	1 - 6
Gynecologic Disease	23	0	0 -100	36	0	0 -100
Low-Risk Heart Disease	307	3	2 - 6	299	3	1 - 6
Musculoskeletal/Skin Conditions	333	1	1 - 5	357	1	0 - 4
Neuropsychiatric/Sensory Disease	99	1	0 - 9	111	2	0 - 13
Urologic Disease	87	2	0 - 22	97	5	0 - 15

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	372
Occupancy Rate (%):	58
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	223
Percent of Physicians Who Are Board Certified Specialists:	81
Interns and Residents:	0
Registered Nurses:	275
Licensed Practical Nurses:	52

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

METHODIST
EVANGELICAL
HOSPITAL

Hosp ID#: 180081

October 18, 1988

William L. Roper, M.D.
Administrator
Health Care Financing Administration
DEPARTMENT OF HEATLH & HUMAN SERVICES
Washington, D.C. 20201

Dear Dr. Roper:

Again we would like to thank you for providing our hospital the opportunity to respond to the Morality Statistics for the year 1987. All of the data were reviewed by our Medical Records Department under the supervision of the Medical Director and were found with few exceptions to be an accurate account of the 1987 medical mortality statistics of Methodist Evangelical Hospital.

As with last year's statistics, we are again gratified that our overall mortality for Medicare patients was well within the predicted range and that in each of the sixteen separate diagnostic categories, we were within the acceptable range of mortality. There are certain factors, however, which we feel need further elaboration for proper interpretation of the data.

#1 - Your mortality rates were based on 2,656 cases which represent only the last admission for those patients who died. There were many patients who expired, but who had multiple admissions during 1987 and if we assume that most of these patients were admitted for the same disease to which they finally succumbed, this would obviously lower the overall mortality rate.

#2 - Of the 266 patients who died in 1987, there were 60 who expired after their discharge from the hospital. Since we did not contact the families of the deceased as you requested, the cause of death for those patients who died after discharge from the hospital could not be established. It is therefore possible that some of these deaths may have resulted from causes other than and perhaps unrelated to the diagnosis which occasioned their admission and upon which you base your findings.

#3 - As was the case with last year's deaths, many were "No Codes" meaning that the patient and/or family did not want any extraordinary measures taken to prolong life. This would indicate that many of these 266 patients who died were in an incurable, if not terminal state, and that further therapeutic endeavors were inappropriate.

Mortality review is but one of the necessary components of a comprehensive quality assurance program. At Methodist Evangelical Hospital, every death is reviewed by the Medical Staff to be certain that the diagnosis was accurate, the treatment was appropriate, and that the care was of the highest quality.

Again, we would like to express our thanks for the opportunity to respond to the mortality data of our hospital.

Sincerely yours,

E Dean Grout

E. Dean Grout
President & CEO

Donald T. Varga

Donald T. Varga, M.D.
Medical Director

/mortality

METHODIST HOSP OF KENTUCKY

911 S BYPASS
PIKEVILLE, KY 41501

Medicare Hospital Provider Number: 180044

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,599	13	10 - 14	1,734	13	9 - 13
Cancer	34	53	29 - 64	42	62	28 - 60
Cerebrovascular Accidents	66	26	16 - 38	64	44	19 - 45
Gastrointestinal Catastrophes	9	56	12 - 71	4	50	3 - 82
Infectious Disease	14	64	15 - 64	16	44	16 - 64
Metabolic/Electrolyte Disorders	53	28	19 - 49	36	8	12 - 38
Pulmonary Disease	118	31	19 - 39	103	27	14 - 34
Renal Failure	7	86	21 - 84	8	75	9 - 74
Severe Acute Heart Disease	45	42	21 - 51	61	52	26 - 52
Severe Chronic Heart Disease	85	32	14 - 35	71	35	15 - 38
Severe Trauma	1	0	0 - 97	1	100	1 - 97
Gastrointestinal Disease	140	1	1 - 7	165	3	1 - 8
Gynecologic Disease	34	0	0 -100	15	0	0 -100
Low-Risk Heart Disease	219	5	1 - 8	245	2	2 - 6
Musculoskeletal/Skin Conditions	113	1	1 - 7	121	2	0 - 10
Neuropsychiatric/Sensory Disease	32	3	0 - 40	46	2	0 - 37
Urologic Disease	93	2	0 - 13	138	2	0 - 10

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 183
Occupancy Rate (%): 78
Ownership/Control: Church

STAFFING

Total Number of Physicians: 53
Percent of Physicians Who Are Board Certified Specialists: 85
Interns and Residents: 0
Registered Nurses: 83
Licensed Practical Nurses: 104

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

MIDDLESBORO APPALACHIAN REGIONAL HOS

3600 W CUMBERLAND AVE
MIDDLESBORO, KY 40965

Medicare Hospital Provider Number: 180020

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	812	10	10 - 15	683	13	10 - 16
Cancer	15	73	26 - 70	13	92	38 - 75
Cerebrovascular Accidents	22	32	14 - 53	14	36	13 - 61
Gastrointestinal Catastrophes	3	0	5 - 79	5	40	8 - 80
Infectious Disease	11	18	13 - 62	11	27	15 - 67
Metabolic/Electrolyte Disorders	66	14	10 - 35	50	8	9 - 33
Pulmonary Disease	42	21	21 - 47	41	20	14 - 41
Renal Failure	1	0	1 - 97	7	71	19 - 86
Severe Acute Heart Disease	26	35	27 - 64	21	52	20 - 61
Severe Chronic Heart Disease	37	27	12 - 42	30	43	16 - 51
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	66	0	2 - 9	42	2	0 - 24
Gynecologic Disease	10	0	0 -100	9	0	0 -100
Low-Risk Heart Disease	101	3	1 - 10	80	0	1 - 7
Musculoskeletal/Skin Conditions	103	1	1 - 8	64	2	0 - 17
Neuropsychiatric/Sensory Disease	25	0	1 - 22	20	10	0 - 65
Urologic Disease	27	7	0 -100	31	3	0 - 62

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	96
Occupancy Rate (%):	79
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	28
Percent of Physicians Who Are Board Certified Specialists:	68
Interns and Residents:	0
Registered Nurses:	57
Licensed Practical Nurses:	39

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MONROE CO MEDICAL CENTER

529 CAPP HARLAN RD
TOMPKINSVILLE, KY 42167

Medicare Hospital Provider Number: 180105

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	420	10	9 - 16	373	10	7 - 14
Cancer	7	57	24 - 88	4	100	21 - 84
Cerebrovascular Accidents	15	27	10 - 54	5	20	5 - 74
Gastrointestinal Catastrophes	1	100	0 - 97	2	50	1 - 93
Infectious Disease	2	0	10 - 94	1	0	1 - 97
Metabolic/Electrolyte Disorders	13	15	7 - 53	16	0	10 - 38
Pulmonary Disease	46	9	14 - 34	30	37	12 - 47
Renal Failure	3	33	4 - 88	0	-	-
Severe Acute Heart Disease	11	64	21 - 74	9	56	18 - 76
Severe Chronic Heart Disease	36	28	11 - 41	19	21	9 - 47
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	28	4	0 - 50	30	3	0 - 48
Gynecologic Disease	1	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	57	2	0 - 15	47	2	1 - 17
Musculoskeletal/Skin Conditions	44	0	0 - 28	46	0	1 - 11
Neuropsychiatric/Sensory Disease	28	0	0 - 35	18	0	0 - 54
Urologic Disease	3	0	0 -100	5	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	49
Occupancy Rate (%):	61
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	17
Percent of Physicians Who Are Board Certified Specialists:	53
Interns and Residents:	0
Registered Nurses:	13
Licensed Practical Nurses:	9

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MORGAN CO APPALACHIAN REGIONAL HOSP

WELLS HILL RD BOX 579
WEST LIBERTY, KY 41472

Medicare Hospital Provider Number: 180125

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	323	11	13 - 21	301	11	12 - 20
Cancer	4	100	18 - 81	4	100	19 - 82
Cerebrovascular Accidents	7	29	10 - 71	7	29	6 - 69
Gastrointestinal Catastrophes	1	100	2 - 97	0	-	-
Infectious Disease	5	20	5 - 74	3	0	12 - 84
Metabolic/Electrolyte Disorders	9	11	20 - 69	18	6	13 - 45
Pulmonary Disease	43	14	20 - 44	49	20	17 - 42
Renal Failure	1	100	3 - 99	0	-	-
Severe Acute Heart Disease	20	20	22 - 58	3	67	6 - 87
Severe Chronic Heart Disease	21	24	11 - 48	24	13	17 - 46
Severe Trauma	1	0	0 - 98	0	-	-
Gastrointestinal Disease	21	5	0 - 48	17	0	0 - 44
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	45	0	1 - 11	33	0	1 - 16
Musculoskeletal/Skin Conditions	12	0	0 - 63	6	0	0 -100
Neuropsychiatric/Sensory Disease	12	0	0 -100	10	0	0 -100
Urologic Disease	1	0	0 -100	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	45
Occupancy Rate (%):	76
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	8
Percent of Physicians Who Are Board Certified Specialists:	38
Interns and Residents:	0
Registered Nurses:	20
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MUHLENBERG COMMUNITY HOSP-

440 HOPKINSVILLE ST
GREENVILLE, KY 42345

Medicare Hospital Provider Number: 180004

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	750	16	11 - 17	856	16	10 - 16
Cancer	31	65	29 - 64	23	83	36 - 71
Cerebrovascular Accidents	35	34	15 - 47	35	54	15 - 48
Gastrointestinal Catastrophes	4	0	11 - 75	7	57	9 - 74
Infectious Disease	6	33	12 - 78	8	0	15 - 57
Metabolic/Electrolyte Disorders	18	17	9 - 49	15	20	9 - 54
Pulmonary Disease	85	26	16 - 38	72	22	14 - 36
Renal Failure	3	67	7 - 89	2	50	7 - 99
Severe Acute Heart Disease	25	52	24 - 62	27	48	24 - 61
Severe Chronic Heart Disease	32	28	10 - 42	46	28	15 - 42
Severe Trauma	2	0	1 - 92	1	0	0 - 98
Gastrointestinal Disease	63	5	0 - 21	74	4	1 - 14
Gynecologic Disease	10	10	0 -100	9	0	0 -100
Low-Risk Heart Disease	89	2	1 - 10	101	4	0 - 13
Musculoskeletal/Skin Conditions	34	9	0 - 77	73	3	0 - 23
Neuropsychiatric/Sensory Disease	4	0	0 - 86	14	7	0 -100
Urologic Disease	24	4	0 - 97	25	0	0 - 30

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	135
Occupancy Rate (%):	50
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	26
Percent of Physicians Who Are Board Certified Specialists:	50
Interns and Residents:	0
Registered Nurses:	56
Licensed Practical Nurses:	46

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MURRAY-CALLOWAY CO HOSP

803 POPLAR ST
MURRAY, KY 42071

Medicare Hospital Provider Number: 180027

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,353	13	8 - 13	1,359	11	8 - 12
Cancer	19	26	20 - 60	12	33	18 - 69
Cerebrovascular Accidents	58	41	13 - 39	39	28	14 - 43
Gastrointestinal Catastrophes	8	25	12 - 71	6	17	7 - 70
Infectious Disease	6	83	10 - 71	10	40	9 - 66
Metabolic/Electrolyte Disorders	62	26	10 - 38	42	10	8 - 34
Pulmonary Disease	64	33	15 - 40	83	27	16 - 37
Renal Failure	5	40	11 - 85	5	60	14 - 89
Severe Acute Heart Disease	36	53	25 - 58	46	46	26 - 56
Severe Chronic Heart Disease	65	25	14 - 36	64	38	15 - 39
Severe Trauma	0	-	-	1	0	0 - 99
Gastrointestinal Disease	114	1	1 - 7	110	2	1 - 9
Gynecologic Disease	7	0	0 -100	9	0	0 -100
Low-Risk Heart Disease	170	2	1 - 7	178	5	1 - 9
Musculoskeletal/Skin Conditions	135	5	0 - 18	110	1	0 - 8
Neuropsychiatric/Sensory Disease	96	2	0 - 15	108	2	0 - 10
Urologic Disease	79	0	0 - 12	71	1	0 - 12

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	218
Occupancy Rate (%):	59
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	38
Percent of Physicians Who Are Board Certified Specialists:	66
Interns and Residents:	0
Registered Nurses:	67
Licensed Practical Nurses:	40

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MURRAY
CALLOWAY
COUNTY
HOSPITAL

Stuart Poston, Administrator

October 14, 1988

HEALTH STANDARDS AND QUALITY BUREAU, HCFA
ATTN MRS SANDRA KAPPERT
2-D-2 MEADOWS EAST BUILDING
6325 SECURITY BLVD
BALTIMORE MD 21207

Dear Mrs. Kappert:

Thank you for this opportunity to comment on the HCFA Mortality Statistics for Murray-Calloway County Hospital prior to their release.

In specific references to the information for Murray-Calloway County Hospital, we note that we were above the predicted range in two diagnostic categories. These categories were Cerebrovascular Accidents and Infectious Disease. Chart review of all cases in these categories revealed excellent levels of care in all cases.

In the category of cases with cerebrovascular accidents, there were 58 patients with 24 of the patients expiring for a mortality rate of 41%. Average age at expiration was 79 years. There were six patients (25%) that were documented as "no codes," and seven cases (29%) were transfers from long term care facilities. Statistically, only two cases of very ill people were the difference between being well with the expected range and being above the expected values.

In the category of patients dying of infectious disease, the average age at death was 88 years. There were two cases documented as "no codes." As there were only six cases in this category, any statistical analysis of this category would be suspect due to the small number of cases.

In a comparison of two years worth of statistics, we note that in 1986 we were in the middle of the expected values for both categories and in 1987 we were above the expected values. This raises questions as to the validity of the statistical methods used to analyze and predict these values.

We applaud you for your efforts to develop a statistical method of measuring quality, but we feel that the current method has many weaknesses that should be corrected.

803 Poplar Street • Murray, Kentucky 42071-2432 • (502) 753-5131

Thank you once again for this opportunity to comment on these statistics.

Sincerely,

Michael L. Morgan
Administrative Assistant

ph

NICHOLAS CO HOSP

2323 CONCRETE RD
CARLISLE, KY 40311

Medicare Hospital Provider Number: 180059

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	284	10	11 - 19	263	11	10 - 19
Cancer	12	58	31 - 83	5	80	17 - 83
Cerebrovascular Accidents	7	14	12 - 68	7	29	6 - 69
Gastrointestinal Catastrophes	3	67	6 - 87	0	-	-
Infectious Disease	2	0	2 - 88	2	0	1 - 91
Metabolic/Electrolyte Disorders	9	11	5 - 57	15	13	6 - 48
Pulmonary Disease	19	16	15 - 50	13	15	14 - 57
Renal Failure	4	0	13 - 81	4	25	14 - 91
Severe Acute Heart Disease	13	38	12 - 62	10	20	23 - 73
Severe Chronic Heart Disease	18	17	8 - 45	7	0	5 - 52
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	32	3	1 - 26	24	0	0 - 27
Gynecologic Disease	1	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	41	2	1 - 19	42	2	1 - 18
Musculoskeletal/Skin Conditions	24	4	1 - 32	22	0	0 - 56
Neuropsychiatric/Sensory Disease	7	14	0 -100	7	14	0 - 79
Urologic Disease	9	11	0 - 94	9	0	0 - 89

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 83
Occupancy Rate (%): 83
Ownership/Control: Local Government

STAFFING

Total Number of Physicians: 5
Percent of Physicians Who Are Board Certified Specialists: 40
Interns and Residents: 0
Registered Nurses: 10
Licensed Practical Nurses: 7

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

NORTON KOSAIR CHILDRENS HOSP

200 E CHESTNUT ST
LOUISVILLE, KY 40202

Medicare Hospital Provider Number: 180088

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,940	9	9 - 13	1,899	8	8 - 12
Cancer	100	19	30 - 51	106	20	33 - 53
Cerebrovascular Accidents	50	24	14 - 39	32	28	14 - 46
Gastrointestinal Catastrophes	17	24	18 - 61	13	31	15 - 65
Infectious Disease	7	29	15 - 77	11	64	17 - 71
Metabolic/Electrolyte Disorders	26	42	15 - 55	19	16	11 - 49
Pulmonary Disease	59	25	16 - 40	62	23	14 - 37
Renal Failure	1	0	2 - 97	3	33	6 - 89
Severe Acute Heart Disease	56	43	25 - 53	41	37	23 - 53
Severe Chronic Heart Disease	69	28	12 - 35	46	11	14 - 35
Severe Trauma	2	50	1 - 93	3	33	5 - 87
Gastrointestinal Disease	127	3	1 - 10	136	4	1 - 10
Gynecologic Disease	31	0	0 -100	43	0	0 - 98
Low-Risk Heart Disease	256	1	2 - 6	258	3	2 - 7
Musculoskeletal/Skin Conditions	292	3	0 - 6	301	1	1 - 5
Neuropsychiatric/Sensory Disease	51	8	0 - 30	73	0	1 - 8
Urologic Disease	63	0	0 - 12	49	4	0 - 51

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 509
Occupancy Rate (%): 77
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 339
Percent of Physicians Who Are Board Certified Specialists: 85
Interns and Residents: 0
Registered Nurses: 541
Licensed Practical Nurses: 24

SPECIALTY SERVICES

Shock/Trauma Unit: Yes
Burn Unit: Yes
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: Yes
Hospice Care: No

OHIO CO HOSP

1211 MAIN ST
HARTFORD, KY 42347

Medicare Hospital Provider Number: 180041

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	614	15	9 - 15	579	17	9 - 16
Cancer	15	73	19 - 64	15	67	24 - 71
Cerebrovascular Accidents	22	45	9 - 50	23	35	13 - 52
Gastrointestinal Catastrophes	2	0	6 - 90	2	0	1 - 89
Infectious Disease	9	67	14 - 71	5	60	13 - 83
Metabolic/Electrolyte Disorders	10	20	11 - 63	10	30	1 - 66
Pulmonary Disease	67	36	15 - 40	45	29	14 - 43
Renal Failure	1	100	0 -100	1	100	0 - 97
Severe Acute Heart Disease	22	36	19 - 59	22	59	18 - 58
Severe Chronic Heart Disease	22	18	9 - 43	28	39	12 - 48
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	70	1	0 - 13	61	5	1 - 17
Gynecologic Disease	8	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	79	5	1 - 15	84	6	1 - 16
Musculoskeletal/Skin Conditions	44	0	0 - 17	31	0	0 - 24
Neuropsychiatric/Sensory Disease	16	0	0 - 84	17	0	0 - 38
Urologic Disease	33	0	0 - 44	47	9	0 - 53

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	68
Occupancy Rate (%):	49
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	21
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	0
Registered Nurses:	33
Licensed Practical Nurses:	11

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

OUR LADY OF BELLEFONTE HOSP
ST CHRISTOPHER DR
ASHLAND, KY 41101

Medicare Hospital Provider Number: 180036

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,435	11	10 - 15	1,230	11	9 - 14
Cancer	25	28	23 - 60	24	38	20 - 59
Cerebrovascular Accidents	39	15	14 - 39	31	19	17 - 46
Gastrointestinal Catastrophes	16	44	14 - 62	11	27	12 - 64
Infectious Disease	16	63	19 - 65	13	31	19 - 68
Metabolic/Electrolyte Disorders	9	56	19 - 78	7	14	12 - 69
Pulmonary Disease	132	20	17 - 35	86	24	15 - 37
Renal Failure	7	29	13 - 80	10	30	16 - 78
Severe Acute Heart Disease	52	48	27 - 55	44	45	23 - 53
Severe Chronic Heart Disease	78	28	15 - 36	85	25	17 - 37
Severe Trauma	1	0	0 - 98	1	0	1 - 97
Gastrointestinal Disease	139	1	1 - 6	106	4	1 - 11
Gynecologic Disease	6	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	204	4	2 - 9	165	2	1 - 7
Musculoskeletal/Skin Conditions	106	1	1 - 8	64	0	0 - 11
Neuropsychiatric/Sensory Disease	53	2	0 - 16	48	0	0 - 15
Urologic Disease	66	0	0 - 18	66	0	0 - 10

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	149
Occupancy Rate (%):	84
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	92
Percent of Physicians Who Are Board Certified Specialists:	57
Interns and Residents:	0
Registered Nurses:	142
Licensed Practical Nurses:	24

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

OUR LADY OF THE WAY HOSP

MAIN ST BOX 910
MARTIN, KY 41649

Medicare Hospital Provider Number: 180032

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	366	8	8 - 14	372	9	7 - 14
Cancer	4	100	26 - 89	4	75	17 - 90
Cerebrovascular Accidents	13	31	12 - 60	11	45	14 - 68
Gastrointestinal Catastrophes	0	-	-	2	0	2 - 89
Infectious Disease	1	100	3 - 99	3	33	6 - 87
Metabolic/Electrolyte Disorders	6	0	3 - 59	8	25	5 - 66
Pulmonary Disease	46	11	12 - 33	33	9	9 - 34
Renal Failure	1	100	1 - 97	3	67	9 - 91
Severe Acute Heart Disease	9	44	13 - 71	10	50	15 - 71
Severe Chronic Heart Disease	17	12	11 - 45	17	12	10 - 45
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	33	0	0 - 31	39	0	0 - 15
Gynecologic Disease	1	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	75	1	2 - 10	81	1	1 - 10
Musculoskeletal/Skin Conditions	20	0	0 - 73	14	0	0 - 98
Neuropsychiatric/Sensory Disease	2	0	0 -100	3	33	0 - 97
Urologic Disease	5	0	0 -100	9	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	39
Occupancy Rate (%):	80
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	11
Percent of Physicians Who Are Board Certified Specialists:	73
Interns and Residents:	0
Registered Nurses:	28
Licensed Practical Nurses:	16

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

OWEN CO MEMORIAL HOSP

330 ROLAND AVE
OWENTON, KY 40359

Medicare Hospital Provider Number: 180065

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	232	16	12 - 22	220	16	10 - 21
Cancer	4	75	13 - 87	0	-	-
Cerebrovascular Accidents	4	75	7 - 81	10	60	7 - 64
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	5	40	13 - 83	6	33	14 - 80
Metabolic/Electrolyte Disorders	10	30	10 - 65	10	20	4 - 59
Pulmonary Disease	34	29	19 - 51	23	30	12 - 51
Renal Failure	3	0	8 - 83	2	50	8 - 98
Severe Acute Heart Disease	12	17	17 - 61	9	44	18 - 75
Severe Chronic Heart Disease	15	40	9 - 57	14	29	8 - 55
Severe Trauma	1	0	0 -100	1	0	0 - 98
Gastrointestinal Disease	6	0	0 - 94	7	0	0 - 82
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	31	6	0 - 34	36	0	1 - 14
Musculoskeletal/Skin Conditions	15	0	0 - 65	18	6	0 - 95
Neuropsychiatric/Sensory Disease	12	0	0 - 77	8	0	0 -100
Urologic Disease	6	0	0 - 99	7	0	0 - 99

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	50
Occupancy Rate (%):	22
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	9
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	8
Licensed Practical Nurses:	5

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

OWENSBORO DAVIESS CO HOSP

811 E. 12ST STREET
OWENSBORO, KY 42301

Medicare Hospital Provider Number: 180038

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,641	11	9 - 13	2,657	10	9 - 13
Cancer	55	44	32 - 61	71	34	28 - 54
Cerebrovascular Accidents	101	30	17 - 36	78	28	17 - 38
Gastrointestinal Catastrophes	10	20	13 - 64	17	41	18 - 64
Infectious Disease	28	29	22 - 58	19	42	13 - 58
Metabolic/Electrolyte Disorders	74	28	16 - 43	61	28	13 - 42
Pulmonary Disease	128	28	18 - 37	160	25	18 - 35
Renal Failure	25	36	11 - 63	14	36	14 - 73
Severe Acute Heart Disease	83	39	27 - 50	68	37	28 - 52
Severe Chronic Heart Disease	134	30	15 - 32	96	27	15 - 34
Severe Trauma	6	33	2 - 75	3	0	3 - 80
Gastrointestinal Disease	178	4	1 - 9	200	3	1 - 8
Gynecologic Disease	23	0	0 -100	27	0	0 -100
Low-Risk Heart Disease	390	3	2 - 6	338	4	2 - 7
Musculoskeletal/Skin Conditions	232	1	1 - 6	227	2	1 - 6
Neuropsychiatric/Sensory Disease	238	2	0 - 7	227	3	0 - 8
Urologic Disease	130	2	0 - 9	129	2	0 - 10

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	465
Occupancy Rate (%):	57
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	147
Percent of Physicians Who Are Board Certified Specialists:	61
Interns and Residents:	0
Registered Nurses:	316
Licensed Practical Nurses:	51

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

PARKWAY REGIONAL HOSP

2000 HOLIDAY LANE
FULTON, KY 42041

Medicare Hospital Provider Number: 180117

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	399	15	9 - 16	480	12	9 - 16
Cancer	3	100	8 - 81	7	86	21 - 76
Cerebrovascular Accidents	10	50	10 - 66	13	46	12 - 62
Gastrointestinal Catastrophes	1	0	1 - 97	1	0	0 - 99
Infectious Disease	1	0	2 - 97	6	33	6 - 74
Metabolic/Electrolyte Disorders	21	14	5 - 43	38	11	8 - 36
Pulmonary Disease	38	29	16 - 46	61	16	15 - 37
Renal Failure	5	80	14 - 84	1	0	3 - 98
Severe Acute Heart Disease	20	45	20 - 62	14	57	18 - 67
Severe Chronic Heart Disease	23	30	9 - 47	20	25	9 - 48
Severe Trauma	0	-	-	2	0	1 - 89
Gastrointestinal Disease	35	0	0 - 19	43	2	0 - 28
Gynecologic Disease	1	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	66	6	1 - 17	70	3	0 - 14
Musculoskeletal/Skin Conditions	45	2	0 - 30	36	3	0 - 77
Neuropsychiatric/Sensory Disease	6	17	0 -100	12	0	0 - 95
Urologic Disease	9	0	0 -100	12	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	70
Occupancy Rate (%):	34
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	15
Percent of Physicians Who Are Board Certified Specialists:	60
Interns and Residents:	0
Registered Nurses:	20
Licensed Practical Nurses:	14

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

PATTIE A CLAY HOSPITAL

EASTERN BY PASS BOX 727
RICHMOND, KY 40475

Medicare Hospital Provider Number: 180049

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,000	12	10 - 15	1,023	11	10 - 15
Cancer	21	33	25 - 66	22	41	23 - 64
Cerebrovascular Accidents	43	19	16 - 41	32	16	16 - 43
Gastrointestinal Catastrophes	3	67	7 - 88	4	25	8 - 82
Infectious Disease	11	36	13 - 67	13	15	19 - 63
Metabolic/Electrolyte Disorders	35	23	11 - 44	29	38	15 - 53
Pulmonary Disease	91	27	20 - 41	101	24	18 - 38
Renal Failure	4	25	8 - 85	6	67	9 - 80
Severe Acute Heart Disease	27	26	21 - 55	35	29	26 - 56
Severe Chronic Heart Disease	42	33	15 - 44	43	19	13 - 38
Severe Trauma	2	0	2 - 88	1	0	0 -100
Gastrointestinal Disease	97	3	1 - 11	80	4	0 - 15
Gynecologic Disease	17	0	0 -100	10	0	0 -100
Low-Risk Heart Disease	97	3	1 - 11	92	4	1 - 13
Musculoskeletal/Skin Conditions	68	1	1 - 12	100	1	0 - 8
Neuropsychiatric/Sensory Disease	25	0	0 - 28	29	0	0 - 39
Urologic Disease	55	0	1 - 10	55	4	0 - 44

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	105
Occupancy Rate (%):	64
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	37
Percent of Physicians Who Are Board Certified Specialists:	73
Interns and Residents:	0
Registered Nurses:	130
Licensed Practical Nurses:	9

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

PAUL B HALL REGIONAL MEDICAL CENTER

104 W JAMES S TRIMBLE BLVD BOX
PAINTSVILLE, KY 41240

Medicare Hospital Provider Number: 180078

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	538	11	8 - 14	489	16	8 - 16
Cancer	8	50	16 - 77	9	67	13 - 70
Cerebrovascular Accidents	23	35	12 - 50	25	40	15 - 53
Gastrointestinal Catastrophes	4	50	10 - 86	2	50	0 - 97
Infectious Disease	2	100	11 - 95	4	75	12 - 85
Metabolic/Electrolyte Disorders	12	25	6 - 58	12	17	4 - 54
Pulmonary Disease	47	17	14 - 38	28	21	10 - 42
Renal Failure	1	0	1 - 97	2	100	7 - 92
Severe Acute Heart Disease	14	50	19 - 68	24	67	21 - 59
Severe Chronic Heart Disease	27	19	9 - 40	25	40	11 - 49
Severe Trauma	0	-	-	1	0	0 -100
Gastrointestinal Disease	61	2	1 - 13	50	2	0 - 20
Gynecologic Disease	3	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	68	4	1 - 17	68	9	0 - 25
Musculoskeletal/Skin Conditions	31	0	0 - 41	29	0	0 - 72
Neuropsychiatric/Sensory Disease	8	0	0 - 99	9	0	0 -100
Urologic Disease	39	0	0 - 27	22	0	0 - 99

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 72
Occupancy Rate (%): (not available)
Ownership/Control: Private, For Profit

STAFFING

Total Number of Physicians: (not available)
Percent of Physicians Who Are Board Certified Specialists: (not available)
Interns and Residents: (not available)
Registered Nurses: (not available)
Licensed Practical Nurses: (not available)

SPECIALTY SERVICES

Shock/Trauma Unit: (not available)
Burn Unit: (not available)
Medical/Surgical Intensive Care: (not available)
Cardiac Intensive Care: (not available)
Organ Transplant Service: (not available)
Hospice Care: (not available)

PINEVILLE COMMUNITY HOSP

RIVERVIEW AV
PINEVILLE, KY 40977

Medicare Hospital Provider Number: 180021

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	805	9	8 - 13	871	11	8 - 14
Cancer	12	42	15 - 68	11	55	20 - 74
Cerebrovascular Accidents	22	27	13 - 51	29	34	14 - 49
Gastrointestinal Catastrophes	9	33	4 - 65	2	50	7 - 96
Infectious Disease	9	56	15 - 74	12	58	14 - 67
Metabolic/Electrolyte Disorders	42	12	13 - 40	42	5	6 - 30
Pulmonary Disease	42	17	9 - 35	57	23	13 - 38
Renal Failure	2	0	5 - 90	2	50	1 - 93
Severe Acute Heart Disease	29	48	19 - 55	35	40	25 - 58
Severe Chronic Heart Disease	37	14	13 - 37	43	14	13 - 35
Severe Trauma	0	-	-	2	0	0 - 93
Gastrointestinal Disease	100	3	0 - 12	78	3	0 - 13
Gynecologic Disease	5	0	0 -100	9	0	0 -100
Low-Risk Heart Disease	96	4	0 - 14	109	8	0 - 18
Musculoskeletal/Skin Conditions	74	3	0 - 18	68	3	0 - 22
Neuropsychiatric/Sensory Disease	15	0	0 - 78	24	4	0 - 74
Urologic Disease	37	3	0 - 79	38	3	0 - 68

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	155
Occupancy Rate (%):	54
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	39
Percent of Physicians Who Are Board Certified Specialists:	64
Interns and Residents:	0
Registered Nurses:	34
Licensed Practical Nurses:	45

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

REGIONAL MEDICAL CENTER OF HOPKINS C

HOSPITAL DRIVE
MADISONVILLE, KY 42431

Medicare Hospital Provider Number: 180093

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,729	12	10 - 14	2,874	12	10 - 15
Cancer	93	47	35 - 59	113	51	34 - 57
Cerebrovascular Accidents	66	33	17 - 40	72	29	18 - 40
Gastrointestinal Catastrophes	22	23	22 - 60	22	27	17 - 57
Infectious Disease	35	31	24 - 57	34	32	19 - 53
Metabolic/Electrolyte Disorders	67	37	17 - 46	68	25	17 - 44
Pulmonary Disease	154	27	20 - 37	204	29	18 - 35
Renal Failure	13	69	19 - 77	12	42	9 - 71
Severe Acute Heart Disease	103	35	27 - 48	121	29	29 - 47
Severe Chronic Heart Disease	91	18	17 - 34	105	19	17 - 34
Severe Trauma	1	0	0 - 99	6	50	4 - 75
Gastrointestinal Disease	220	2	2 - 7	203	3	1 - 8
Gynecologic Disease	22	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	351	2	2 - 6	337	4	2 - 7
Musculoskeletal/Skin Conditions	244	3	0 - 7	257	2	1 - 6
Neuropsychiatric/Sensory Disease	183	2	1 - 8	185	1	1 - 5
Urologic Disease	94	1	0 - 15	98	1	0 - 12

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 410
Occupancy Rate (%): 56
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 72
Percent of Physicians Who Are Board Certified Specialists: 75
Interns and Residents: 0
Registered Nurses: 241
Licensed Practical Nurses: 98

SPECIALTY SERVICES

Shock/Trauma Unit: Yes
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: No

50th Anniversary

Medicare Provider #180093

October 18, 1988

William L. Roper, M.D.
Administrator
Department of Health and Human Services
Health Care Financing Administration
Washington, DC 20201

Dear Dr. Roper:

This letter contains our comments on the HCFA mortality data for Regional Medical Center of Hopkins County (#180093), transmitted to us with your letter of September 15, 1988.

Again this year, in each of the diagnostic categories, the hospital's actual mortality rate is within the range of predicted mortality rate. Despite this, however, it is important to emphasize that an appropriate assessment of any hospital's performance is dependent upon many variables, particularly severity of illness. It requires a review of many quality indicators of which mortality is but one. We are pleased that HCFA is making steps to improve the analysis of mortality information.

Regional Medical Center is a 401-bed, non-profit voluntary, full-service referral hospital with a strong commitment to community service and education. As such, we receive more seriously ill patients from a wide area of Western Kentucky.

In a limited review of the HCFA data provided to us, we identified 12 patients (representing 12% of the patients identified in your MMPS groupings) who expired within 30 days of discharge whose cause of death (from death certificates) is unrelated to the last hospital discharge diagnosis. We would hope that eventually you will be able to merge cause of death with diagnostic information to provide more meaningful information in this area.

As a full-service referral hospital, we continue to experience an increase in our case mix index that is somewhat indicative of the complexity of treatment at our hospital. As a "rural referral center", many chronic, severely ill persons are treated at our hospital, particularly in the areas of cancer and cardiology. In all probability, a number of our patients' deaths were a significant possibility at the time of admission or could certainly be attributed to factors not currently controlled in the HCFA model.

In conjunction with our multi-specialty medical staff, we have an active quality assurance program which is conducted on a regular basis. The review of mortality including a severity index is one part of that quality assurance program. This institution is committed to maintaining and improving quality of care through multiple processes. Though limited, the data you have supplied confirm our own reviews that, even given the complexity of cases treated at RMC, our quality is good.

Some of the data supplied in the hospital characteristics section is incorrect. The number of beds listed includes only medical-surgical beds and excludes all specialty beds. The number of beds for which we are licensed is 401 with an occupancy rate of 54.3%. In addition, the number of physicians who are Board Certified specialists is 73 of 91 for a percentage of 80.

We appreciate the opportunity to comment prior to the release of this information. We hope HCFA will continue to improve their analysis of mortality data and stress that mortality data is only one factor in the measurement of quality.

Sincerely,

Bob Dampier
Executive Vice-President

BD:bc

ROCKCASTLE CO HOSP

NEWCOMB ST RT 4 BOX 28
MOUNT VERNON, KY 40456

Medicare Hospital Provider Number: 180115

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	267	15	12 - 21	310	15	11 - 20
Cancer	9	78	35 - 90	4	50	8 - 84
Cerebrovascular Accidents	5	20	2 - 75	7	0	9 - 55
Gastrointestinal Catastrophes	0	-	-	1	0	1 - 97
Infectious Disease	5	40	9 - 80	8	38	13 - 74
Metabolic/Electrolyte Disorders	9	22	10 - 65	12	17	13 - 60
Pulmonary Disease	35	29	19 - 50	40	22	15 - 43
Renal Failure	3	67	5 - 88	1	0	3 - 98
Severe Acute Heart Disease	8	25	10 - 68	20	55	19 - 61
Severe Chronic Heart Disease	13	8	5 - 44	7	29	3 - 69
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	13	0	0 - 93	26	0	1 - 19
Gynecologic Disease	0	-	-	3	0	0 -100
Low-Risk Heart Disease	32	0	1 - 17	53	8	1 - 22
Musculoskeletal/Skin Conditions	22	0	0 - 36	15	0	0 - 69
Neuropsychiatric/Sensory Disease	7	0	0 -100	5	0	0 -100
Urologic Disease	9	11	0 - 89	6	0	1 - 68

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 58
Occupancy Rate (%): 86
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 5
Percent of Physicians Who Are Board Certified Specialists: 60
Interns and Residents: 0
Registered Nurses: 26
Licensed Practical Nurses: 21

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

RUSSELL CO HOSP

DOWELL RD BOX 147
RUSSELL SPRINGS, KY 42642

Medicare Hospital Provider Number: 180134

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	370	18	11 - 19	341	13	10 - 18
Cancer	7	57	21 - 84	5	40	12 - 82
Cerebrovascular Accidents	15	20	10 - 52	23	22	13 - 48
Gastrointestinal Catastrophes	4	25	6 - 81	3	33	9 - 89
Infectious Disease	3	33	2 - 86	0	-	-
Metabolic/Electrolyte Disorders	21	38	18 - 60	17	35	8 - 55
Pulmonary Disease	22	41	14 - 54	24	42	15 - 54
Renal Failure	2	100	6 - 90	1	0	1 - 97
Severe Acute Heart Disease	22	59	19 - 59	23	39	23 - 62
Severe Chronic Heart Disease	22	18	10 - 44	16	6	12 - 43
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	35	6	0 - 52	18	0	0 - 54
Gynecologic Disease	5	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	35	3	1 - 23	43	0	1 - 12
Musculoskeletal/Skin Conditions	29	3	0 - 32	27	11	0 - 64
Neuropsychiatric/Sensory Disease	15	7	0 - 72	24	0	0 - 57
Urologic Disease	3	0	0 -100	7	29	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	45
Occupancy Rate (%):	40
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	12
Percent of Physicians Who Are Board Certified Specialists:	0
Interns and Residents:	0
Registered Nurses:	18
Licensed Practical Nurses:	11

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

RUSSELL COUNTY HOSPITAL

P. O. BOX 147
DOWELL ROAD
RUSSELL SPRINGS, KY 42642
502/866-4141

October 19, 1988

William L. Roper, M.D.
Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2-D-2
6325 Security Boulevard
Baltimore, Maryland 21207

RE: HCFA Mortality Data - Provider #180134

Dear Dr. Roper:

In response to the Medicare Hospital Mortality Information for Russell County Hospital, I feel the following erroneous information regarding hospital characteristics must be corrected: 1) bed size is 45 beds, instead of 41 as reported by HCFA, 2) percentage of board certified physicians is 90% instead of the reported 10%, and 3) specialty services do include combined Coronary Care and Intensive Care Unit. Although your report states that this information was taken from the 1986 AHA Survey, review of our survey reveals that the information was submitted correctly.

Review of the mortality information reveals that Russell County Hospital was well within the predicted mortality range for all diagnostic categories except "Renal Failure", (with only two cases), and was in the upper limits of the predicted range for "Severe Acute Heart Disease".

Of the two cases reported in the "Renal Failure" diagnostic category one patient was in end stage renal failure, (age 74), and the other had acute and chronic renal failure, (age 87). This does not represent a significant data base and the outcomes of these cases were not unexpected.

The "Severe Acute Heart Disease" diagnostic category included a total of 13 mortalities within 30 days of discharge date, with 12 of these cases being in-house mortalities. Of these 12 cases 9 patients suffered acute myocardial infarctions, 1 a ruptured aortic aneurysm and 2 were shock cases. Again, these diagnoses in an elderly, debilitated population do not yield unexpected outcomes and the percentage for Russell County Hospital was within the upper limits of the predicted range.

In summary, I would like to state that the data presented by HCFA cannot be truly representative of a hospital's performance due to the information being obtained from principal diagnosis information only, which may or may not reflect the cause of death, and to to the inclusion of deaths, from any cause, within 30 days of the last hospital admission.

Russell County Hospital reviews all mortalities as a part of the Quality Assurance Program, and the educational benefits of such reviews are discussed at Medical Staff Meetings. I would like to point out that actual mortality rates for Russell County Hospital are 3% for 1986 and 6% for 1987. I appreciate the opportunity given by HCFA to comment on the data presented and hope the information submitted will help to alleviate misinterpretation of the results.

Sincerely,

O. G. Bottom
Administrator

OGB/lp

SAINTS MARY & ELIZABETH HOSP

4400 CHURCHMAN AVENUE
LOUISVILLE, KY 40215

Medicare Hospital Provider Number: 180037

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,918	12	9 - 13	2,834	12	10 - 14
Cancer	100	44	29 - 52	90	33	27 - 51
Cerebrovascular Accidents	101	32	17 - 37	106	35	18 - 38
Gastrointestinal Catastrophes	18	28	11 - 55	22	36	16 - 58
Infectious Disease	27	44	20 - 58	26	38	17 - 56
Metabolic/Electrolyte Disorders	52	19	14 - 42	67	22	14 - 40
Pulmonary Disease	150	23	18 - 35	178	21	16 - 32
Renal Failure	9	44	9 - 75	17	47	16 - 73
Severe Acute Heart Disease	93	49	28 - 50	118	52	29 - 49
Severe Chronic Heart Disease	179	18	17 - 30	164	23	16 - 30
Severe Trauma	5	20	3 - 75	4	0	5 - 72
Gastrointestinal Disease	230	3	1 - 7	221	3	1 - 7
Gynecologic Disease	18	0	0 -100	22	0	0 -100
Low-Risk Heart Disease	485	4	2 - 6	419	4	2 - 6
Musculoskeletal/Skin Conditions	263	1	1 - 5	234	2	1 - 6
Neuropsychiatric/Sensory Disease	77	1	0 - 12	77	1	1 - 11
Urologic Disease	115	3	0 - 14	98	3	0 - 17

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	331
Occupancy Rate (%):	53
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	146
Percent of Physicians Who Are Board Certified Specialists:	56
Interns and Residents:	0
Registered Nurses:	190
Licensed Practical Nurses:	6

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

Saints
Mary & Elizabeth
Hospital
4400 Churchman Avenue
Louisville, Kentucky 40215

October 20, 1988 Hospital Identification #180037

William L. Roper, MD, Administrator
Health Care Financing Administration
Health Standards & Quality Bureau
Hospital Mortality Information
Post Office Box 26684
Baltimore MD 21207

Dear Dr. Roper:

Please attach the following information for Saints Mary & Elizabeth Hospital in Louisville, Kentucky, in the Hospital Specific Mortality Report for the period of January 1, 1987 through December 31, 1987.

Recounting accurate hospital specific characteristics, primarily adult medical/surgical patients are treated at Saint Mary's. One hundred fifty active and a total of four hundred eighteen affiliated physicians practice at our three hundred thirty one bed facility. Services for both medical and surgical patients are offered in the areas of cardiology, family practice, internal medicine, neurology/neurosurgery, orthopedics, ophthalmology, otorhinolaryngology, pulmonary medicine, thoracic surgery, oncology, gynecology, urology/nephrology, and general surgery. Organ transplants are not performed here.

The Hospital's Quality Assurance Program includes the process of mortality review as part of its ongoing peer review. During the 1987 Joint Commission on Accreditation of Hospitals' survey, the results of these reviews were evaluated and Saint Mary's received a full three year accreditation based in part upon the demonstrated effectiveness of the Hospital's quality assurance programs and its peer review activities. Information supplied by HCFA regarding mortality rates is reviewed and reported to our Medical Director, the Utilization Review and Executive Committees of the medical staff, Hospital Administration, Quality Care Committee, and Board of Directors.

The Hospital's overall mortality rate in 1987 averaged 4.03% per month. Medicare patients comprise 52.2% of all patients treated in this institution. Review of the HCFA supplied mortality rates for 1987 identifies that in no category did Saint Mary's exceed the predicted range of mortality. Two categories, Severe Acute Heart Disease and Cancer, were reviewed in their entirety, with an explanation of pertinent findings herein recounted:

SEVERE ACUTE HEART DISEASE: HCFA predicted mortality rates range from 28% to 50%, with Saint Mary's rate, without explanation is denoted as 49%.

o Two patients expired in the Emergency Department due to full cardiac arrest. Due to Medicare's Policy Revision 429, 3/85, p. 210, "An inpatient is a person who has been admitted to a hospital for bed occupancy for purposes of receiving inpatient hospital services. Generally, a person is considered an inpatient if formally admitted as an inpatient with the expectation that he will remain at least overnight and occupy a bed even though it later develops that he can be discharged or transferred to another hospital and does not actually use a hospital bed overnight."

o Twenty-five patients (48% of the deaths in this category) were transferred immediately to the coronary/intensive care units, expiring within twenty-four hours. Recovery was precluded by the severity of the patients' illness.

o Forty-nine of the patients (94%) were admitted to the Hospital via the Emergency Department. Twenty-five patients (45%) were transported to Saint Mary's via Emergency Medical Services.

o The average age of patients expiring in this category was 76.12 years.

o Comorbidities (illnesses also present and affecting each patient's ability to recover) were present in all but two cases.

o Twenty-five patients (44% of patients expiring) were denoted as DNR (Do Not Resuscitate) at their families' request.

o Five patients (10%) of the patients included in this category expired outside of the Hospital, within thirty days of discharge.

CANCER: Mortality rates predicted by HCFA were 20%-52%: the rate at Saint Mary's is denoted as 44%, up from the 33% rate in 1986.

o Low risk categories have been eliminated by HCFA from the category "Cancer" for purposes of 1987 reporting. This in some part could result in a higher mortality rate for the year 1987 in comparison to 1986.

o Three patients were found to have been subsequently admitted in 1988 at which time they expired, and should not have been included in the statistics for 1987 mortality. Patient identifiers are included on a separate report.

o Six patients died within twenty-four hours of admission. Average length of stay for Medicare patients expiring from cancer in 1987 was 12.75 days.

o The average age of patients expiring from cancer during 1987 was 72.89 years.

o Comorbidities (illness also present and affecting each patient's ability to recover) were present in all but five cases.

o Families designated thirty-six of the patients who succumbed from cancer at Saint Mary's in 1987 as DNR (Do Not Resuscitate), as a result of each of these patient's irreversible terminal condition.

The opportunity to review and address the Mortality Report supplied by the Health Care Financing Administration is appreciated. Thank you.

Sincerely,

R. W. Leitner
President & Chief Executive Officer

RWL/mdn:jp

Attachment (1)

SPRINGVIEW HOSP

ST MARY RD
LEBANON, KY 40033

Medicare Hospital Provider Number: 180024

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	433	15	11 - 18	485	18	11 - 18
Cancer	5	60	10 - 81	9	78	31 - 85
Cerebrovascular Accidents	24	42	14 - 53	14	43	8 - 58
Gastrointestinal Catastrophes	1	100	0 - 98	5	0	3 - 65
Infectious Disease	1	0	3 - 98	1	0	1 - 97
Metabolic/Electrolyte Disorders	23	30	7 - 49	38	13	9 - 38
Pulmonary Disease	43	16	15 - 39	69	22	13 - 35
Renal Failure	8	63	18 - 84	6	67	14 - 84
Severe Acute Heart Disease	17	59	15 - 60	23	61	19 - 59
Severe Chronic Heart Disease	36	28	14 - 44	27	41	7 - 45
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	30	0	0 - 24	42	2	0 - 21
Gynecologic Disease	1	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	57	2	1 - 13	56	4	0 - 22
Musculoskeletal/Skin Conditions	25	0	0 - 50	27	4	0 - 39
Neuropsychiatric/Sensory Disease	12	17	0 -100	21	14	0 - 89
Urologic Disease	12	8	0 - 81	12	0	0 - 87

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	113
Occupancy Rate (%):	51
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	11
Percent of Physicians Who Are Board Certified Specialists:	36
Interns and Residents:	0
Registered Nurses:	34
Licensed Practical Nurses:	18

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST ANTHONY MEDICAL CENTER

1313 ST ANTHONY PLACE
LOUISVILLE, KY 40204

Medicare Hospital Provider Number: 180085

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,622	14	11 - 15	2,521	13	11 - 15
Cancer	101	44	27 - 50	93	47	30 - 55
Cerebrovascular Accidents	111	24	20 - 37	86	29	19 - 40
Gastrointestinal Catastrophes	37	43	21 - 56	28	32	18 - 56
Infectious Disease	37	24	19 - 50	22	32	20 - 60
Metabolic/Electrolyte Disorders	87	30	15 - 41	74	16	13 - 38
Pulmonary Disease	225	19	18 - 33	221	29	20 - 36
Renal Failure	8	50	10 - 77	16	44	18 - 75
Severe Acute Heart Disease	90	38	28 - 51	74	35	28 - 51
Severe Chronic Heart Disease	110	25	17 - 35	112	21	16 - 33
Severe Trauma	3	33	2 - 86	5	0	5 - 65
Gastrointestinal Disease	220	4	2 - 8	209	5	1 - 9
Gynecologic Disease	20	0	0 -100	16	0	0 -100
Low-Risk Heart Disease	252	5	1 - 8	238	4	2 - 8
Musculoskeletal/Skin Conditions	230	2	1 - 6	242	2	1 - 6
Neuropsychiatric/Sensory Disease	58	0	0 - 11	72	3	0 - 18
Urologic Disease	76	4	0 - 19	67	3	0 - 21

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	224
Occupancy Rate (%):	74
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	213
Percent of Physicians Who Are Board Certified Specialists:	88
Interns and Residents:	0
Registered Nurses:	235
Licensed Practical Nurses:	18

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

ST CLAIRE MEDICAL CENTER

222 MEDICAL CIRCLE
MOREHEAD, KY 40351

Medicare Hospital Provider Number: 180018

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,175	14	10 - 15	1,220	13	10 - 15
Cancer	28	57	29 - 66	36	47	26 - 60
Cerebrovascular Accidents	51	31	17 - 43	50	34	13 - 41
Gastrointestinal Catastrophes	7	43	16 - 80	9	33	14 - 72
Infectious Disease	14	50	16 - 66	11	55	16 - 70
Metabolic/Electrolyte Disorders	25	32	12 - 51	22	23	8 - 48
Pulmonary Disease	74	27	14 - 37	86	23	19 - 39
Renal Failure	2	50	1 - 93	4	75	15 - 91
Severe Acute Heart Disease	60	37	24 - 50	41	44	24 - 55
Severe Chronic Heart Disease	49	29	17 - 43	54	22	16 - 39
Severe Trauma	1	0	2 - 97	3	0	2 - 81
Gastrointestinal Disease	101	3	1 - 11	86	1	1 - 9
Gynecologic Disease	15	0	0 -100	13	0	0 -100
Low-Risk Heart Disease	125	4	1 - 10	112	6	1 - 13
Musculoskeletal/Skin Conditions	70	3	0 - 20	83	1	1 - 10
Neuropsychiatric/Sensory Disease	33	3	0 - 49	45	4	0 - 32
Urologic Disease	56	2	0 - 35	77	1	0 - 20

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	133
Occupancy Rate (%):	63
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	36
Percent of Physicians Who Are Board Certified Specialists:	78
Interns and Residents:	0
Registered Nurses:	88
Licensed Practical Nurses:	20

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST ELIZABETH MEDICAL CENTER

401 E 20TH ST
COVINGTON, KY 41014

Medicare Hospital Provider Number: 180035

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	4,003	13	10 - 14	3,959	13	10 - 14
Cancer	138	50	33 - 54	150	44	29 - 50
Cerebrovascular Accidents	150	30	18 - 34	121	31	18 - 36
Gastrointestinal Catastrophes	34	29	22 - 56	32	31	17 - 53
Infectious Disease	86	35	22 - 48	81	37	22 - 49
Metabolic/Electrolyte Disorders	70	24	13 - 40	70	19	13 - 39
Pulmonary Disease	266	26	19 - 34	244	25	16 - 32
Renal Failure	21	43	15 - 69	20	50	19 - 74
Severe Acute Heart Disease	139	46	27 - 46	158	42	27 - 45
Severe Chronic Heart Disease	197	21	14 - 28	208	29	16 - 31
Severe Trauma	11	27	9 - 62	12	8	12 - 55
Gastrointestinal Disease	301	2	1 - 6	288	1	1 - 5
Gynecologic Disease	28	4	0 -100	24	4	0 - 45
Low-Risk Heart Disease	546	3	2 - 5	467	2	2 - 5
Musculoskeletal/Skin Conditions	357	2	1 - 5	347	2	1 - 5
Neuropsychiatric/Sensory Disease	106	4	1 - 12	118	3	0 - 15
Urologic Disease	153	2	0 - 8	137	4	0 - 11

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	504
Occupancy Rate (%):	66
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	268
Percent of Physicians Who Are Board Certified Specialists:	70
Interns and Residents:	10
Registered Nurses:	591
Licensed Practical Nurses:	122

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

St. Elizabeth
Medical Center

October 19, 1988

Ms. Sandra Kappert
Health Care Financing Administration
Health Standards and QUality Bureau
Meadows East Building, 2-D-2
6325 Security Blvd.
Baltimore, MD 21207

Dear Ms. Kappert:

Enclosed please find the Comment for Health Care Financing Administration Mortality Data for 1987 from St. Elizabeth Medical Center, Covington/Edgewood, Kentucky.

Please feel free to contact us if any further data or information is needed.

Sincerely,

Michael J Walters

Michael J. Walters, Ph.D.
Vice President of Marketing
and Strategic Planning
St. Elizabeth Medical Center
401 East 20th Street
Covington, KY 41014
(606)292-4321

/ms

enclosure

North Unit
401 E. 20th Street
Covington, Kentucky 41014
(606) 292-4000

South Unit
One Medical Village Drive
Edgewood, Kentucky 41017
(606) 344-2000

HCFA MORTALITY DATA: COMMENT

In 1987, as was true in 1986, St. Elizabeth Medical Center had a mortality rate within the range of predicated death rates in all of the 16 diagnostic categories, as well as in the overall mortality rate. In fact, the reported overall mortality rate for St. Elizabeth for Medicare patients was the same in both 1987 and 1986.

Regrouping of Diagnostic Categories

These 16 diagnostic categories differ somewhat from those categories used in the 1986 mortality model. This year's diagnostic categories have regrouped the specific disease codes (i.e. ICD-9CM codes) that comprise the 16 diagnostic categories. This regrouping was done in order to improve the risk homogeneity of diseases contained in a given diagnostic grouping. HCFA had numerous complaints with last year's release because some diseases contained in a given diagnostic grouping had a much higher predicted mortality rate than the majority of the other conditions contained in the grouping. Therefore, HCFA investigated the variation in predicted mortality rates for each of the diseases in the 16 diagnostic categories and, where high variation occurred, the diseases with predicted mortality significantly higher or lower than the average for all diseases in the grouping were removed and recategorized.

In this year's release, HCFA also provided mortality rates for 1986. However, the 1986 data has been modified to conform with the changes made in the 1987 mortality model, specifically, to reflect the regrouping of many of the disease codes. In this reformatted 1986 mortality data, St. Elizabeth remained within the range of predicted death rates in all 16 diagnostic categories as well as in the overall mortality rate.

Limited Utility

HCFA received considerable criticism last year for the inadequacy of its predictive mortality model. One of the most consistent criticisms aimed at HCFA's model was that no measure of the severity of the patient's illness at the time of admission was included in the model. Unfortunately, the 1987 mortality model, except for regrouping ICD-9-CM codes, has not been improved and again does not include the patient's severity of illness as a key factor in predicting mortality rates. Because factors such as the patient's severity of illness, socio-economic status, and degree of family support are not included in HCFA's model, the 1987 data, as was true in 1986, has very limited utility for the public, as well as individual hospitals in evaluating the quality of care provided.

ST JOSEPH HOSP

ONE ST JOSEPH DR
LEXINGTON, KY 40504

Medicare Hospital Provider Number: 180010

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	4,006	11	10 - 14	3,957	11	10 - 14
Cancer	194	31	31 - 50	186	29	31 - 50
Cerebrovascular Accidents	116	22	17 - 34	129	19	19 - 35
Gastrointestinal Catastrophes	31	35	18 - 55	27	37	20 - 59
Infectious Disease	44	27	23 - 53	44	36	23 - 55
Metabolic/Electrolyte Disorders	37	32	13 - 48	42	29	21 - 53
Pulmonary Disease	117	26	19 - 38	116	26	18 - 37
Renal Failure	20	50	14 - 69	19	47	19 - 75
Severe Acute Heart Disease	151	33	26 - 44	146	38	30 - 48
Severe Chronic Heart Disease	187	38	18 - 34	175	36	18 - 34
Severe Trauma	13	15	9 - 55	7	29	5 - 70
Gastrointestinal Disease	277	4	1 - 7	272	4	1 - 8
Gynecologic Disease	7	0	0 -100	12	0	0 -100
Low-Risk Heart Disease	763	5	3 - 7	643	5	3 - 7
Musculoskeletal/Skin Conditions	331	1	1 - 5	353	2	1 - 5
Neuropsychiatric/Sensory Disease	287	1	1 - 6	348	1	1 - 5
Urologic Disease	134	1	0 - 7	158	1	0 - 8

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	468
Occupancy Rate (%):	68
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	191
Percent of Physicians Who Are Board Certified Specialists:	94
Interns and Residents:	0
Registered Nurses:	362
Licensed Practical Nurses:	50

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

SAINT JOSEPH HOSPITAL

October 20, 1988 Medicare Provider #180010

Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2 - D - 2
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Ms. Kappert:

St. Joseph Hospital falls within the range for predicted mortality in 16 of the 17 diagnostic categories. The one exception where we are outside of the range is Severe Chronic Heart Disease. The mortality range for this category is 18-34 percent. Our mortality rate for calendar year 1987 was 38 percent.

We are a major referral center for smaller rural hospitals and, as such, our acuity level is much higher. Mortality rates of the hospital do not necessarily reflect poor quality. Of 187 patients who expired with this diagnosis during 1987, they break down as follows:

34 transferred from outlying hospitals in critical condition

47 were admitted to the hospital with a "DO NOT RESUSCITATE" order at the physician's and family's request

14 expired upon admission

3 were "Dead on Arrival"

One Saint Joseph Drive
Lexington, Kentucky 40504
606/278-3436

65 expired in the hospital

6 expired within 30 days of discharge

Thanks for including these comments with your data.

Sincerely,

Ross Frazier

Ross Frazier
Vice President

RF/lf

ST LUKE HOSP

85 N GRAND AVE
FORT THOMAS, KY 41075

Medicare Hospital Provider Number: 180001

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,375	13	10 - 14	2,263	13	10 - 15
Cancer	95	49	29 - 53	99	42	31 - 55
Cerebrovascular Accidents	89	25	16 - 35	84	24	18 - 38
Gastrointestinal Catastrophes	20	25	16 - 57	24	33	14 - 55
Infectious Disease	30	33	11 - 47	27	48	19 - 58
Metabolic/Electrolyte Disorders	37	22	12 - 44	25	24	10 - 48
Pulmonary Disease	187	24	18 - 34	163	26	18 - 35
Renal Failure	6	50	10 - 82	8	50	15 - 83
Severe Acute Heart Disease	106	38	27 - 47	86	49	28 - 51
Severe Chronic Heart Disease	98	32	13 - 33	94	27	15 - 34
Severe Trauma	3	33	1 - 88	1	0	0 - 98
Gastrointestinal Disease	194	5	1 - 9	187	2	1 - 7
Gynecologic Disease	20	0	0 -100	14	0	0 -100
Low-Risk Heart Disease	308	2	1 - 5	263	5	1 - 8
Musculoskeletal/Skin Conditions	218	3	1 - 7	230	3	1 - 7
Neuropsychiatric/Sensory Disease	52	2	0 - 26	64	2	0 - 15
Urologic Disease	97	2	0 - 11	81	4	0 - 18

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	255
Occupancy Rate (%):	80
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	132
Percent of Physicians Who Are Board Certified Specialists:	75
Interns and Residents:	0
Registered Nurses:	252
Licensed Practical Nurses:	36

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

St. Luke Hospital, Inc.
85 North Grand Avenue
Fort Thomas, Kentucky 41075 (606) 572-3100

John D. Hoyle, M.H.A.
President and Chief Executive Officer

October 19, 1988

Hospital No. 180001

Mrs. Sandra Kappert
Healthcare Financing Administration
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

St. Luke Hospital is pleased with the HCFA report that confirms all deaths of Medicare patients fell within the range of predicted mortality. This we consider a positive reflection of our continuing efforts to assure our patients receive the highest quality of care possible. At St. Luke Hospital, quality care is foremost in the minds of the physicians and hospital staff alike and we commit considerable resources to that goal.

The Medical Staff, supported by hospital staff members, has ongoing quality assessment, monitoring and analysis through the following committees: Utilization Review, Quality Assurance, Tissue, Medical Records, Pharmacy and Therapeutics, Institutional Review Board, Safety, Laser Safety, Radiation Safety, Transfusion Review, its Quality Assurance Council, and Medical Department meetings.

The hospital also employs 7 full-time persons whose sole function is to continually assess quality. Eighty-three management persons also engage in ongoing quality analysis and are further aided by numerous employees who check, audit and compile data for use by the Committees and Managers. Data collected, medical records reviewed and reports generated follow a methodical path and are reported on an ongoing basis to the Medical Staff, Board of Directors, Administration and are also reviewed by inspectors from the State Office of Licensure and Regulation and the Joint Commission on Accreditation of Healthcare Organizations.

Unfortunately, HCFA data is based on national statistics and limits the amount of patient information gathered. Therefore, to gain greater insight, we reviewed each death within the specific categories as defined by HCFA. We found that 18% died outside of St. Luke Hospital; 80% were in serious or critical condition upon admission; 20% had cancer; and an additional 15% had cancer as a secondary cause of death; 68% were considered terminal and families requested that no heroic or resuscitative measures be used in treatment; and the average age of the deceased was 77 years. Had HCFA considered all 1987 Medicare admissions, our actual overall mortality rate would be 8.5% with only 7.0% of these deaths occurring at our hospital, rather than the 13% listed. The above facts are nowhere present in the HCFA data.

Cancer - (1) 94% were admitted in serious or critical condition. (2) Most had other coexisting conditions such as heart failure, kidney failure, and liver disease. (3) Average age - 72 years. (4) In 91% of the cases, the family requested no heroic measures. (5) In 17 of the 47 deaths, the patient was admitted in a terminal state.

Cerebrovascular Accidents - (1) 77% were in serious or critical condition upon admission. (2) In all deaths, the families requested no heroic measures and in 50%

of the deaths this was requested upon admission. (3) Average age - 78 years. (4) 86% had other coexisting conditions as terminal cancer and congestive heart failure. (5) In 10 of 22 deaths, patients were comatose upon admission.

GI Catastrophies - (1) 80% were in serious or critical condition upon admission. (2) All had multiple other life-threatening conditions such as advanced liver disease, hepatic coma, and extensive widespread cancer (3 cases). (3) Average age - 78 years. (4) In all cases, the family requested no heroic or resuscitative measures.

Infectious Disease - (1) 80% were admitted in serious or critical condition. (2) All patients had serious other conditions including abdominal aortic aneurysm, pneumonia, and heart failure. (3) Average age - 79 years. (4) In 70% of the deaths, the family requested no heroic measures. (5) Two patients were transferred from area nursing homes in a terminal state.

Metabolic/Electrolyte Disturbances - (1) All were admitted in serious or critical condition. (2) All had terminal coexisting conditions - 4 had widespread cancer and others had acute respiratory failure, cardiogenic shock, and pneumonia. (3) Average age - 74 years. (4) In 7 of the 8 deaths, the family requested no heroic measures.

Pulmonary Disease - (1) 73% were serious or critical upon admission. (2) In 70% of the deaths, families requested no heroic measures. (3) Average age - 79 years. (4) All patients had several other serious conditions, including terminal cancer (12 cases), liver cirrhosis, end-stage congestive cardiomyopathy and massive G.I. bleed.

Renal Disease - (1) All were admitted in serious or critical condition. (2) All had other serious coexisting conditions. (3) Average age - 89 years. (4) In all cases, the family requested no heroic or resuscitative measures.

Severe Acute Heart Disease - (1) In 90% of these deaths, patients were admitted in serious or critical condition. (2) 39 of 40 patients had other coexisting serious conditions such as kidney disease (4 cases); cardiopulmonary disease (16 cases); stroke (5 cases); and ruptured aneurysms (5 cases). (3) Average age - 78 years. (4) In 60% of the cases, families had requested no heroic or resuscitative measures. (5) Six patients were comatose within 24 hours of admission.

Severe Chronic Heart Disease - (1) 68% were in serious or critical condition upon admission. (2) In 84% of the deaths, families requested no heroic measures. (3) Average age - 74 years. (4) In all cases, patients experienced one or more serious other conditions including cancer (6 cases), kidney failure (5 cases); and cardiopulmonary disease (9 cases).

Gastrointestinal Disease - (1) 60% were serious or critical at admission. (2) In 70% of the deaths, families requested no heroic measures. (3) Average age - 79 years. (4) In all deaths, patients experienced several serious other conditions including kidney failure, gangrene of gallbladder, peritonitis and liver disease.

Low Risk Heart Disease - (1) 67% were admitted in serious or critical condition. (2) In all but one case, the patients had other serious conditions such as stroke, heart failure, and pneumonia. (3) Average age - 79 years. (4) In 67% of the cases, the family requested no heroic or resuscitative measures.

Musculoskeletal and Cutaneous Condition - (1) In all but one case, the patients presented with serious other life-threatening conditions such as congestive heart failure, renal failure, and severe chronic anemia. (2) Average age - 81 years. (3) In 57% of the cases, the family requested no heroic measures.

Urologic Disease (1)Both were admitted in serious or critical condition. (2) In each case, the patient suffered from terminal other conditions - one had a recent heart attack and pneumonia, the other cirrhosis. (3) Average age - 73 years. (4) In both cases, the family requested no heroic measures. (5) One was transferred from an area nursing home with severe sepsis; the other admitted in a terminal state.

Sincerely,

John D Hoyle

John D. Hoyle
President & CEO

JDH:PC

T J SAMSON COMMUNITY HOSP

N RACE ST BOX 257
GLASGOW, KY 42141

Medicare Hospital Provider Number: 180017

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,758	12	10 - 14	1,776	13	10 - 15
Cancer	35	49	24 - 59	22	55	27 - 68
Cerebrovascular Accidents	77	31	17 - 39	70	34	18 - 41
Gastrointestinal Catastrophes	9	33	11 - 69	19	32	17 - 61
Infectious Disease	16	38	13 - 60	16	69	16 - 62
Metabolic/Electrolyte Disorders	55	20	15 - 43	52	27	13 - 43
Pulmonary Disease	153	16	16 - 31	137	22	16 - 34
Renal Failure	6	83	15 - 81	4	75	10 - 87
Severe Acute Heart Disease	82	41	24 - 48	95	43	29 - 51
Severe Chronic Heart Disease	110	25	15 - 33	85	26	15 - 35
Severe Trauma	0	-	-	1	0	0 - 98
Gastrointestinal Disease	147	3	1 - 9	159	3	1 - 8
Gynecologic Disease	24	0	0 -100	15	0	0 -100
Low-Risk Heart Disease	184	3	1 - 8	182	4	1 - 8
Musculoskeletal/Skin Conditions	176	1	1 - 6	155	1	0 - 7
Neuropsychiatric/Sensory Disease	72	6	0 - 41	65	5	0 - 28
Urologic Disease	77	0	0 - 9	71	1	0 - 20

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 218
Occupancy Rate (%): 72
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 43
Percent of Physicians Who Are Board Certified Specialists: 63
Interns and Residents: 0
Registered Nurses: 75
Licensed Practical Nurses: 129

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

T. J. SAMSON COMMUNITY HOSPITAL
GLASGOW, KENTUCKY 42141-0257
502-651-6171

H GLENN JOINER, ADMINISTRATOR

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J C. DOWNING
TREASURER

WALTER WINN DAVIS

JAMES D MANNING

MRS C A GOODMAN, JR

WILLIAM R WATSON

EDWIN N NORRIS

October 20, 1988

William L. Roper, M. D.
Administrator
Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2-D-2
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Sir:

We appreciate the opportunity to comment on the 198/ HCFA Mortality Data for our hospital.

We do wish to reemphasize that the data is not a direct measure of hospital performance and the quality of care provided and should not be used to make comparisons among hospitals.

On review of the data for T. J. Samson Community Hospital, we found that the actual mortality rate for all diagnostic categories was within the range for predicted mortality with the exception of one diagnostic category - Renal Failure.

There were six cases involved, and after study, conclusions were as follows.

- In only three of the cases was the principal diagnosis the actual cause of death; all patients were severely ill with other comorbid and complicating conditions.

- Two of the patients had been transferred from nursing homes.

- One of the patients had been cared for by a Home Health Agency prior to admission.

- One of the six patients expired after having been discharged from the hospital.

- The average age for the six patients was 80.8 years.

T. J. SAMSON COMMUNITY HOSPITAL
GLASGOW, KENTUCKY 42141-0257
502-651-6171

H GLENN JOINER, ADMINISTRATOR

BOARD OF DIRECTORS

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WILLIAM R WATSON

EDWIN N NORRIS

Our Medical Staff routinely reviews all deaths for quality and appropriateness of care and will continue to strive to identify opportunities for improvement in patient care. We would also like to point out that in comparing our data with that of last year, no trends or patterns can be identified.

Again, thank you for the opportunity to respond, and we hope our comments will provide a useful explanation of the findings for our hospital.

Yours very truly,

H Glenn Joiner

H. Glenn Joiner
Administrator

HGJ:dg

TAYLOR CO HOSP

1700 OLD LEBANON RD
CAMPBELLSVILLE, KY 42718

Medicare Hospital Provider Number: 180087

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	712	14	8 - 14	754	12	8 - 14
Cancer	19	58	19 - 62	12	50	13 - 66
Cerebrovascular Accidents	11	36	7 - 61	6	33	3 - 73
Gastrointestinal Catastrophes	4	75	5 - 80	5	20	7 - 75
Infectious Disease	2	50	3 - 92	4	100	9 - 73
Metabolic/Electrolyte Disorders	14	14	10 - 53	23	26	7 - 47
Pulmonary Disease	54	24	14 - 39	36	19	14 - 42
Renal Failure	4	75	11 - 87	5	60	7 - 82
Severe Acute Heart Disease	19	42	21 - 63	31	35	22 - 56
Severe Chronic Heart Disease	28	11	9 - 35	26	31	10 - 46
Severe Trauma	1	0	1 - 97	1	0	1 - 97
Gastrointestinal Disease	57	4	0 - 22	76	4	0 - 17
Gynecologic Disease	5	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	62	3	1 - 14	67	0	2 - 8
Musculoskeletal/Skin Conditions	51	2	0 - 30	34	0	0 - 21
Neuropsychiatric/Sensory Disease	19	5	0 -100	31	0	0 - 54
Urologic Disease	76	1	0 - 18	76	1	1 - 11

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	90
Occupancy Rate (%):	51
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	19
Percent of Physicians Who Are Board Certified Specialists:	37
Interns and Residents:	0
Registered Nurses:	50
Licensed Practical Nurses:	6

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

TAYLOR
COUNTY
HOSPITAL

1700 Old Lebanon Road
Campbellsville
Kentucky 42718
(502) 465-3561

Hospital ID: 180087

October 12, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

After review of your statistics, we wish to have the following comments made a part of the records:

1. Thirty three (33) of the patients attributed to the hospital's death rate were not hospitalized in Taylor County Hospital at the time of their death.

2. What logic was used in attributing deaths to the hospital when the patient dies up to 30 days following discharge?

> NOTE: The method of calculating the hospital's Net Death Rate (institutional death rate) is the ratio of the total number of deaths occuring in the hospital, 48 hours or more AFTER admission, for a period - to the total number of discharges and deaths, 48 hours and over, for that period. This has been the Industry Standard for several years.

Applying the logic of this standard to deaths occurring after hospitalization, only one of the thirty three (33) deaths attributed to the hospital's death rate died within 48 hours of discharge. This one patient was not discharged home but went to another health care facility.

3. Of the thirty three (33) patients who died outside the hospital, no reference is made as to where the patient died. Did they die in another hospital, a skilled nursing facility, an intermediate care facility or other mode of continuing health care?

4. What was the cause of death for the thirty three (33) patients who were not hospitalized at this hospital at the time of their death? HCFA has based its statistics on the Principal Diagnosis for the last admission to this hospital. The principal diagnosis at the time of the last admission to this hospital has a great probability of having nothing to do with the actual cause of death.

5. HCFAs statistics are based on their formula for determining a Principal Diagnosis for payment purposes. The Principal Diagnosis may or may not be the actual cause of death. For example, a patient with terminal lung cancer may sustain a hip fracture from a fall and be admitted to the hospital. The Principal Diagnosis would be the Hip Fracture. If the Terminal Lung Cancer causes the patient's death during the hospitalization, HCFA attributes the death to the hip fracture.

Respectfully submitted,

Virgil H. Shofner

Virgil H. Shofner, ART
Director, Medical Record & Quality Assurance

cc: David Hayes, Chief Executive Officer

THE MEDICAL CENTER AT BOWLING GREEN

250 PARK ST BOX 56
BOWLING GREEN, KY 42101

Medicare Hospital Provider Number: 180013

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,570	14	11 - 16	1,534	15	11 - 16
Cancer	38	32	26 - 58	48	42	31 - 61
Cerebrovascular Accidents	75	39	17 - 40	59	25	18 - 41
Gastrointestinal Catastrophes	15	47	10 - 60	13	46	17 - 69
Infectious Disease	29	34	20 - 57	31	32	16 - 52
Metabolic/Electrolyte Disorders	42	24	12 - 44	41	24	13 - 45
Pulmonary Disease	117	32	21 - 41	128	30	19 - 38
Renal Failure	9	33	9 - 73	8	63	9 - 76
Severe Acute Heart Disease	64	44	27 - 53	62	53	28 - 54
Severe Chronic Heart Disease	91	32	16 - 36	61	16	14 - 34
Severe Trauma	4	0	5 - 72	9	11	8 - 60
Gastrointestinal Disease	83	2	2 - 11	84	5	1 - 15
Gynecologic Disease	9	0	0 -100	8	13	0 -100
Low-Risk Heart Disease	195	2	2 - 6	160	4	1 - 9
Musculoskeletal/Skin Conditions	134	1	0 - 7	144	2	0 - 8
Neuropsychiatric/Sensory Disease	72	3	0 - 16	54	2	0 - 30
Urologic Disease	83	1	1 - 10	77	1	1 - 10

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	363
Occupancy Rate (%):	50
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	111
Percent of Physicians Who Are Board Certified Specialists:	70
Interns and Residents:	0
Registered Nurses:	150
Licensed Practical Nurses:	32

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

THE SALVATION ARMY WILLIAM BOOTH HOS

7380 TURFWAY RD
FLORENCE, KY 41042

Medicare Hospital Provider Number: 180045

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,420	11	9 - 14	1,331	11	9 - 14
Cancer	31	39	22 - 57	39	41	25 - 58
Cerebrovascular Accidents	48	25	14 - 39	39	28	17 - 46
Gastrointestinal Catastrophes	8	50	11 - 73	6	33	9 - 76
Infectious Disease	16	44	17 - 64	23	43	20 - 62
Metabolic/Electrolyte Disorders	29	21	13 - 47	23	13	10 - 45
Pulmonary Disease	92	22	18 - 38	97	20	17 - 36
Renal Failure	4	75	15 - 91	5	40	5 - 81
Severe Acute Heart Disease	57	44	25 - 52	49	47	27 - 56
Severe Chronic Heart Disease	56	29	10 - 35	56	27	11 - 35
Severe Trauma	3	33	4 - 86	0	-	-
Gastrointestinal Disease	122	3	1 - 10	111	3	1 - 10
Gynecologic Disease	6	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	152	3	1 - 8	153	3	1 - 8
Musculoskeletal/Skin Conditions	151	2	1 - 8	132	2	1 - 9
Neuropsychiatric/Sensory Disease	117	1	1 - 8	95	3	0 - 34
Urologic Disease	39	3	0 - 40	39	0	0 - 24

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 161
Occupancy Rate (%): 81
Ownership/Control: Church

STAFFING

Total Number of Physicians: 248
Percent of Physicians Who Are Board Certified Specialists: 80
Interns and Residents: 0
Registered Nurses: 106
Licensed Practical Nurses: 66

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

the salvation army
BOOTH
memorial **HOSPITAL**
7380 Turfway Road, Florence, Kentucky 41042 (606) 525-5200

Northern Kentucky's Hospital

October 21, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

RE: Mortality Rates - Provider Number 180045

Dear Mrs. Kappert:

Following are our comments relative to the mortality rate information supplied by HCFA.

The data used by HFCA indicates that a total of 249 Medicare patients admitted to Booth Hospital died within 30 days of their discharge. Please be advised that of this 249, we have not been able to verify the death of 42 or 16.87%. Also of this 249, 163 died at the hospital, and 30 died either at home or in a nursing home.

We also note that in all of the diagnostic categories, the hospital's actual mortality rate falls within the range of their predicted mortality rate.

I trust these comments will be helpful to you.

Sincerely yours,

Ronald Lyons

Ronald Lyons, Major
Administrator

TRI COUNTY COMMUNITY HOSPITAL

1025 NEW MOODY LANE
LAGRANGE, KY 40031

Medicare Hospital Provider Number: 180138

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	213	12	8 - 18	0	-	-
Cancer	3	100	13 - 85	0	-	-
Cerebrovascular Accidents	10	10	6 - 52	0	-	-
Gastrointestinal Catastrophes	2	50	5 - 93	0	-	-
Infectious Disease	1	100	2 - 97	0	-	-
Metabolic/Electrolyte Disorders	7	43	11 - 76	0	-	-
Pulmonary Disease	19	32	11 - 53	0	-	-
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	10	30	14 - 67	0	-	-
Severe Chronic Heart Disease	8	25	6 - 65	0	-	-
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	16	0	0 - 90	0	-	-
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	36	0	0 - 18	0	-	-
Musculoskeletal/Skin Conditions	19	5	0 - 91	0	-	-
Neuropsychiatric/Sensory Disease	6	0	0 -100	0	-	-
Urologic Disease	7	0	0 -100	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1988

Total Beds (#):	120
Ownership/Control:	Private, For Profit

STAFFING

Interns and Residents:	0
Registered Nurses:	54
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

TRIGG CO HOSP

HWY 68 BOX 312
CADIZ, KY 42211

Medicare Hospital Provider Number: 180033

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	173	20	8 - 21	264	15	9 - 18
Cancer	0	-	-	4	50	9 - 84
Cerebrovascular Accidents	6	33	4 - 73	12	25	12 - 60
Gastrointestinal Catastrophes	3	67	5 - 87	1	0	0 - 97
Infectious Disease	1	0	2 - 97	1	0	1 - 97
Metabolic/Electrolyte Disorders	13	46	6 - 60	16	25	6 - 52
Pulmonary Disease	27	19	11 - 43	19	37	10 - 53
Renal Failure	3	67	7 - 89	2	100	6 - 90
Severe Acute Heart Disease	4	75	8 - 81	10	50	18 - 74
Severe Chronic Heart Disease	8	38	4 - 67	11	36	8 - 62
Severe Trauma	0	-	-	1	0	0 - 99
Gastrointestinal Disease	18	0	0 - 90	24	4	0 - 47
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	23	13	0 - 73	33	3	0 - 27
Musculoskeletal/Skin Conditions	10	0	0 -100	20	0	0 - 56
Neuropsychiatric/Sensory Disease	2	0	0 -100	13	0	0 - 92
Urologic Disease	1	0	0 -100	6	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	40
Occupancy Rate (%):	23
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	6
Percent of Physicians Who Are Board Certified Specialists:	67
Interns and Residents:	0
Registered Nurses:	14
Licensed Practical Nurses:	5

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

UNION CO. METHODIST HOSP.

RT 4 BOX 62H HIGHWAY 60W
MORGANFIELD, KY 42437

Medicare Hospital Provider Number: 180122

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	210	11	10 - 20	247	12	10 - 19
Cancer	2	100	11 - 98	6	17	18 - 78
Cerebrovascular Accidents	12	58	13 - 65	9	22	6 - 61
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	4	25	11 - 84	5	40	9 - 81
Metabolic/Electrolyte Disorders	9	22	7 - 63	5	40	1 - 80
Pulmonary Disease	23	22	15 - 51	12	17	8 - 54
Renal Failure	1	100	1 - 97	0	-	-
Severe Acute Heart Disease	7	29	14 - 75	13	38	23 - 72
Severe Chronic Heart Disease	9	11	7 - 56	15	33	7 - 54
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	17	0	0 - 74	21	10	0 - 61
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	40	0	2 - 13	41	5	1 - 23
Musculoskeletal/Skin Conditions	16	0	0 - 74	19	5	0 - 44
Neuropsychiatric/Sensory Disease	2	0	0 -100	5	0	0 -100
Urologic Disease	6	0	0 -100	6	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	54
Occupancy Rate (%):	20
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	7
Percent of Physicians Who Are Board Certified Specialists:	86
Interns and Residents:	0
Registered Nurses:	18
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

UNITED MEDICAL CENTER SHELBYVILLE

727 HOSPITAL DR BOX 849
SHELBYVILLE, KY 40065

Medicare Hospital Provider Number: 180016

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	791	14	10 - 16	821	17	10 - 16
Cancer	14	50	16 - 65	12	42	13 - 66
Cerebrovascular Accidents	37	38	17 - 48	35	40	18 - 50
Gastrointestinal Catastrophes	8	50	3 - 70	6	50	8 - 76
Infectious Disease	10	70	21 - 75	9	44	12 - 71
Metabolic/Electrolyte Disorders	21	14	10 - 46	17	47	15 - 62
Pulmonary Disease	96	27	18 - 39	82	34	20 - 43
Renal Failure	2	50	7 - 97	3	67	6 - 89
Severe Acute Heart Disease	18	44	16 - 60	31	52	25 - 60
Severe Chronic Heart Disease	30	20	11 - 42	37	38	12 - 44
Severe Trauma	0	-	-	1	0	0 - 99
Gastrointestinal Disease	80	6	1 - 17	82	2	1 - 12
Gynecologic Disease	8	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	115	5	1 - 12	106	8	1 - 15
Musculoskeletal/Skin Conditions	58	3	0 - 32	79	6	0 - 26
Neuropsychiatric/Sensory Disease	20	0	0 - 48	16	13	0 -100
Urologic Disease	32	3	0 - 72	30	3	0 - 63

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	76
Occupancy Rate (%):	57
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

nited Medical Center
SHELBYVILLE

October 18, 1988

Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2 - D - 2
6325 Security Boulevard
Baltimore, Maryland 21207
Attention: Sandra Kappert

Dear Ms. Kappert:

Thank you for an opportunity to respond to the 1987 hospital mortality data provided to us last month. UMC/Shelbyville supports the Health Care Financing Administration's efforts to help educate the public regarding Medicare quality issues. We recognize that this program is in its early stages and have noted improvements over last year in its presented information.

As we have analyzed this information, we have also evaluated our own efforts to monitor and review all areas of care. It is our intent to ensure that our hospital provides the highest possible standard of care to our community. One of the important indicators in the review of care, is the screening and review of mortalities within the hospital setting. As part of our ongoing Quality Assurance program, we continually screen all mortalities. In addition, UMC has developed numerous other indicators of care by which our Medical Staff can monitor performance against acceptable standards of care.

In responding to the information from HCFA, several points must be noted. Of 113 mortalities identified to our facility, 24 occurred outside the hospital. We are unable to validate the exact cause of death of these patients. In cases where the patient has been discharged, it is possible that the cause of death was not related to the cause of hospital admission. With the knowledge that only the last admission to the facility was counted, a truer mortality analysis might be obtained if all admissions were considered. Lastly, the predicted mortality range in most areas are so broad, it is difficult to consider them as either acceptable or unacceptable.

UMC/Shelbyville feels with the information provided, in addition to our own efforts to evaluate care, that the quality of care provided more than meets acceptable standards.

727 Hospital Drive • Shelbyville, Kentucky 40065 • (502) 633-2345

Our hospital will do everything possible to assist our community in understanding how this data can be used to evaluate and improve health care services.

Sincerely,

William Powers

William Powers, M.D.
Chairman, Quality Assurance/UR Committee

Robert L Shircliff

Robert L. Shircliff
Executive Director

RLS/bpc

UNIVERSITY HOSP

800 ROSE ST
LEXINGTON, KY 40536

Medicare Hospital Provider Number: 180067

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,790	13	11 - 15	1,713	13	11 - 16
Cancer	101	37	34 - 57	95	28	33 - 56
Cerebrovascular Accidents	59	36	17 - 42	54	22	18 - 42
Gastrointestinal Catastrophes	25	44	14 - 55	27	33	18 - 56
Infectious Disease	20	60	18 - 61	12	67	13 - 65
Metabolic/Electrolyte Disorders	29	31	13 - 50	42	33	12 - 45
Pulmonary Disease	48	25	18 - 45	80	41	17 - 41
Renal Failure	52	19	4 - 53	46	9	4 - 53
Severe Acute Heart Disease	59	36	21 - 47	45	36	24 - 53
Severe Chronic Heart Disease	37	11	13 - 36	36	28	12 - 42
Severe Trauma	14	57	9 - 61	6	67	11 - 78
Gastrointestinal Disease	70	3	1 - 14	82	7	1 - 19
Gynecologic Disease	19	0	0 - 99	17	0	0 - 99
Low-Risk Heart Disease	218	5	2 - 9	184	4	2 - 9
Musculoskeletal/Skin Conditions	176	2	1 - 7	154	3	1 - 8
Neuropsychiatric/Sensory Disease	95	4	1 - 12	100	1	1 - 8
Urologic Disease	37	3	0 - 49	57	4	0 - 23

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	433
Occupancy Rate (%):	76
Ownership/Control:	State Government

STAFFING

Total Number of Physicians:	340
Percent of Physicians Who Are Board Certified Specialists:	87
Interns and Residents:	0
Registered Nurses:	591
Licensed Practical Nurses:	17

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	Yes
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	Yes
Hospice Care:	No

UNIVERSITY OF KENTUCKY

ALBERT B CHANDLER
MEDICAL CENTER
LEXINGTON, KENTUCKY 40536-0084

UNIVERSITY OF KENTUCKY HOSPITAL
OFFICE OF DIRECTOR
PHONE (606) 233-5767

October 17, 1988

William L. Roper, M.D., Administrator
Health Care Financing Administration
Dept. of Health & Human Services
Washington, DC 20201

Provider: 180067

Dear Dr. Roper:

We wish to express our appreciation for this opportunity to respond to the HCFA-determined Medicare mortality rates for University of Kentucky Hospital. We have taken this opportunity to critically review and evaluate the data to assist you in providing the public with accurate information regarding our patient care programs.

UK Hospital concurrently reviews 100% of Medicare admissions. The in-hospital deaths and many of the out-of-hospital cases had already been reviewed as part of this ongoing program. No significant deviations from acceptable standards of care were identified.

We have carefully compared our quality assurance data with the HCFA data provided (see Table I). All of the inpatient deaths identified by HCFA accurately represent UK patients and their causes of death. However, the HCFA method of case identification does not accurately reflect either the volume of Medicare cases treated in a given diagnostic category or the number of deaths within 30 days. Because this method operates on information not available to hospitals, it is not possible to verify it or perform reliable comparisons with our own quality assurance findings. Consequently, this response has been developed by calculating mortality rates based upon the total number of Medicare deaths per major diagnostic category divided by the total number of Medicare patients in each category. The UK Hospital method controls for multiple admissions for the same diagnosis, and thereby avoids artificial reduction of mortality rates. HCFA's method removes successfully treated cases that die from other diseases in subsequent stays. This artificially elevates mortality rates.

We analyzed all deaths in categories where our mortality rates were above the midpoint of the HCFA predicted mortality ranges (Table II). We used the AS-SCORE severity indexing system to demonstrate the impact of our status as a regional tertiary referral center on our mortality experience. In these five categories, 62% of our mortalities were classified as severity IV (highest severity score on this four-point scale). Another 33% were severity III at the time of admission. This pattern of high severity scores holds true for the entire population. For all Medicare deaths in 1987, admission severity scores were 63% severity IV, and 32% severity III.

We anticipate that you will give serious consideration to modification of your methods which would provide a more accurate reflection of hospital mortality statistics and facilitate hospital verification of your findings. We are proud of our program and role as the tertiary care referral center for Central and Eastern Kentucky. HCFA's published mortality report, augmented by our acuity findings, are testimony to the quality of our programs and service to Kentucky.

Sincerely,

Frank A. Butler
Director, University Hospital

Enclosure

University of Kentucky Hospital
Lexington, Kentucky

Provider No.: 180067

Table I

Medicare Mortality Rates 1987

DIAGNOSTIC CATEGORY	NUMBER OF CASES HCFA	NUMBER OF CASES UK	NUMBER OF DEATHS HCFA	NUMBER OF DEATHS UK	MORTALITY RATE HCFA	MORTALITY RATE UK	RANGE OF MORTALITY RATES
Cancer	101	216	37	42	37%	19%	34 to 57 %
Cerebrovasvular Accidents	59	111	21	24	36%	22%	17 to 42 %
Gastrointestinal Catastrophies	25	39	11	12	44%	31%	14 to 55%
Infectious Disease	20	28	12	14	60%	50%	18 to 61 %
Metabolic/Electrolyte Disturbances	29	59	9	9	31%	15%	13 to 50 %
Pulmonary Disease	48	108	12	17	25%	16%	18 to 45 %
Renal Failure	52	97	10	10	19%	10%	4 to 53 %
Severe Acute Heart Disease	59	79	21	26	36%	33%	21 to 47 %
Severe Chronic Heart Disease	37	64	4	5	11%	8%	13 to 36 %
Severe Trauma	14	21	8	13	57%	62%	9 to 61 %
Gastrointestinal Disease	70	135	2	2	3%	1%	1 to 14 %
Gynecologic Disease	19	28	0	0	0%	0%	0 to 99 %
Low Risk Heart Disease	218	354	11	20	5%	6%	2 to 9 %
Musculoskeletal and Cutaneous Conditions	176	259	4	4	2%	2%	1 to 7 %
Neuropsychiatric and Sensory Disease	95	206	4	4	4%	2%	1 to 12 %
Urologic Disease	37	67	1	3	3%	4%	0 to 49 %
All Others	731	1,372	72	82	10%	6%	
TOTAL - All Causes	1,790	3,243	239	287	13%	9%	11 to 16%

Table II

Characteristics of University of Kentucky Hospital Medicare Patients (Inpatient Mortalities) in Five Major Diagnostic Categories - 1987

DIAGNOSTIC CATEGORY		SEVERITY SCORE*				TRANSFERS FROM OTHER FACILITIES	UNSTABLE ON ADMISSION	TERMINAL ON ADMISSION	VENTILATOR DEPENDENT ON ADMISSION
		I	II	III	IV				
GI Catastrophies	n=11	0%	9%	45%	45%	45%	36%	0%	0%
Metabolic and Electrolyte Disorders	n=7	0%	0%	29%	71%	57%	57%	14%	14%
Severe Acute Heart Disease	n=25	0%	4%	40%	56%	72%	60%	0%	8%
Cerebrovascular Accident	n=21	0%	0%	19%	81%	67%	43%	5%	33%
Infectious Disease	n=12	0%	0%	50%	50%	33%	50%	0%	17%
Severe Trauma	n=11	0%	18%	18%	64%	55%	36%	0%	27%
Total	n=87	0%	5%	33%	62%	59%	48%	2%	17%

*AS-SCORE acuity scoring system developed by John Hopkins University and Church Hospital

US ARMY HOSP

FORT KNOX, KY 40121

Medicare Hospital Provider Number: 18002F

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1	100	0 -100	2	50	0 - 99
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	0	-	-	0	-	-
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	0	-	-	0	-	-
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	0	-	-
Severe Chronic Heart Disease	0	-	-	0	-	-
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	0	-	-	0	-	-
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	0	-	-	0	-	-
Musculoskeletal/Skin Conditions	0	-	-	0	-	-
Neuropsychiatric/Sensory Disease	0	-	-	0	-	-
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA (not available)

Total Beds (#):	650
Ownership/Control:	Federal Government

STAFFING

Interns and Residents:	0
Registered Nurses:	0
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WAYNE CO HOSP INC

RT 4 BOX 56B
MONTICELLO, KY 42633

Medicare Hospital Provider Number: 180126

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	180	14	9 - 19	232	15	10 - 20
Cancer	2	100	6 - 89	10	70	21 - 75
Cerebrovascular Accidents	4	25	6 - 80	6	0	16 - 65
Gastrointestinal Catastrophes	1	0	0 -100	0	-	-
Infectious Disease	3	0	7 - 80	2	0	3 - 88
Metabolic/Electrolyte Disorders	17	18	9 - 51	15	53	10 - 60
Pulmonary Disease	10	10	12 - 57	24	21	9 - 44
Renal Failure	1	0	2 - 97	3	100	18 - 97
Severe Acute Heart Disease	4	50	7 - 83	2	0	7 - 91
Severe Chronic Heart Disease	9	44	8 - 67	13	38	9 - 59
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	16	6	0 - 77	21	0	0 - 66
Gynecologic Disease	1	0	0 -100	0	-	-
Low-Risk Heart Disease	23	0	0 - 27	38	3	0 - 24
Musculoskeletal/Skin Conditions	13	0	0 - 97	13	0	0 -100
Neuropsychiatric/Sensory Disease	7	0	0 -100	4	0	0 -100
Urologic Disease	3	33	0 -100	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	30
Occupancy Rate (%):	33
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	12
Percent of Physicians Who Are Board Certified Specialists:	33
Interns and Residents:	0
Registered Nurses:	11
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WCH WAYNE
COUNTY
HOSPITAL

October 13, 1988

William L. Roper, M.D.
Administrator
Health Care Finance Administration
Health Standards and Quality Bureau
Meadows East Building, 2 - D - 2
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mr. Roper:

In reviewing the recently published Medicare hospital mortality information, I noted that our hospital falls within the predicted range of mortality in all but one isolated area. I would like to comment about that.

The category in which we were outside the predicted range was Cancer, and the 100% rate is somewhat misleading due to a number of factors. There were only 2 cases involved, so our chance of falling within the range was 33% at best. More importantly, the severity of illness in both cases played a significant role. Our hospital provided hospice-type, terminal care for these patients. So, in light of these factors, the percentage is not unexpected.

We appreciate the efforts of the Health Care Financing Administration in providing us with this useful screening device. However, due to the inherent limitations involved in drawing specific conclusions from statistical data, we feel specific situations should be considered individually, and in light of the facts involved.

Sincerely,

Eddy R Stockton

Eddy R. Stockton
Administrator

ERS/js

RT. 4, BOX 56B • MONTICELLO, KENTUCKY 42633 • 606/348-9343

WESTERN BAPTIST HOSP

2501 KENTUCKY AVENUE
PADUCAH, KY 42001

Medicare Hospital Provider Number: 180104

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,315	10	9 - 12	3,062	11	9 - 13
Cancer	133	37	31 - 52	84	51	34 - 60
Cerebrovascular Accidents	112	30	17 - 35	104	28	19 - 38
Gastrointestinal Catastrophes	19	37	10 - 55	18	33	16 - 60
Infectious Disease	27	37	23 - 61	17	47	17 - 63
Metabolic/Electrolyte Disorders	35	29	12 - 46	45	24	10 - 41
Pulmonary Disease	162	24	16 - 32	164	25	15 - 33
Renal Failure	3	33	1 - 88	6	33	9 - 80
Severe Acute Heart Disease	112	37	27 - 47	117	35	28 - 48
Severe Chronic Heart Disease	117	30	16 - 34	105	28	15 - 34
Severe Trauma	14	21	9 - 57	11	55	5 - 64
Gastrointestinal Disease	263	2	2 - 6	247	3	1 - 7
Gynecologic Disease	20	5	0 -100	36	0	0 - 98
Low-Risk Heart Disease	618	3	2 - 5	532	3	2 - 6
Musculoskeletal/Skin Conditions	325	1	1 - 4	294	2	1 - 6
Neuropsychiatric/Sensory Disease	84	1	1 - 10	81	4	1 - 14
Urologic Disease	149	1	0 - 8	132	1	0 - 7

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	317
Occupancy Rate (%):	80
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	108
Percent of Physicians Who Are Board Certified Specialists:	71
Interns and Residents:	0
Registered Nurses:	286
Licensed Practical Nurses:	119

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

WESTLAKE CUMBERLAND HOSP

WESTLAKE DR BOX 468
COLUMBIA, KY 42728

Medicare Hospital Provider Number: 180034

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	454	10	8 - 15	606	10	8 - 14
Cancer	2	50	2 - 92	5	20	15 - 82
Cerebrovascular Accidents	15	33	13 - 59	7	14	9 - 65
Gastrointestinal Catastrophes	2	50	1 - 92	2	0	4 - 88
Infectious Disease	8	38	11 - 72	7	14	17 - 74
Metabolic/Electrolyte Disorders	18	22	12 - 54	18	33	12 - 57
Pulmonary Disease	29	28	13 - 47	33	15	11 - 39
Renal Failure	4	75	10 - 86	1	100	2 - 97
Severe Acute Heart Disease	10	40	12 - 68	18	44	22 - 66
Severe Chronic Heart Disease	28	14	13 - 41	30	30	14 - 47
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	26	4	0 - 60	58	3	1 - 17
Gynecologic Disease	3	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	63	3	0 - 17	78	4	1 - 15
Musculoskeletal/Skin Conditions	50	2	0 - 23	53	4	0 - 33
Neuropsychiatric/Sensory Disease	22	5	0 - 98	33	3	0 - 31
Urologic Disease	11	0	0 - 99	10	10	0 - 79

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 74
Occupancy Rate (%): 66
Ownership/Control: District/Authority

STAFFING

Total Number of Physicians: 14
Percent of Physicians Who Are Board Certified Specialists: 57
Interns and Residents: 0
Registered Nurses: 33
Licensed Practical Nurses: 17

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

WESTLAKE CUMBERLAND HOSPITAL

P.O. Box 468, WESTLAKE DRIVE (502) 384-4763 COLUMBIA, KENTUCKY 42728

October 18, 1988

Administrator

Rex A. 'Rusty' Tungate

Board of Trustees

Chairman
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Curt Yarberry

Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2 - D - 2
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Dr. Roper:

We have reviewed the Department of Health and Human Services Report addressing selected mortality information for acute care facilities that treated Medicare patients during 1987 and based upon that review, conclude that the information to be published in December, 1988 is accurate. We question the practical uses of the MMPS, but do feel the data base used from our facility is correct.

One correction we would like to note, is upon review of the "Hospital Characteristics" "Survey and Year: AHA 1986", the Speciality Service listed state that no Coronary Care Unit is available at Westlake Cumberland Hospital, when we do have a five (5) bed ICU/CCU Unit. This unit has been operational since the opening of the hospital in 1980.

With the one noted exception we accept the results of the survey and the MMPS as reported.

If we can be of any further assistance to you, please let us know.

Sincerely,

Rex A. Tungate, Administrator

RAT/lpm

WHITESBURG APPALACHIAN REGIONAL HOSP

JENKINS RD BOX 310
WHITESBURG, KY 41858

Medicare Hospital Provider Number: 180002

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	717	10	12 - 18	676	13	11 - 17
Cancer	19	63	38 - 81	7	43	25 - 89
Cerebrovascular Accidents	18	33	10 - 53	23	9	16 - 43
Gastrointestinal Catastrophes	6	50	14 - 82	1	100	1 - 97
Infectious Disease	15	27	16 - 62	10	50	23 - 80
Metabolic/Electrolyte Disorders	40	7	17 - 42	24	13	9 - 43
Pulmonary Disease	53	26	18 - 44	49	39	20 - 49
Renal Failure	2	100	8 - 92	2	50	5 - 94
Severe Acute Heart Disease	38	26	28 - 57	45	40	25 - 55
Severe Chronic Heart Disease	35	23	14 - 43	41	27	17 - 45
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	80	5	1 - 15	66	3	0 - 18
Gynecologic Disease	10	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	127	2	1 - 8	132	2	1 - 8
Musculoskeletal/Skin Conditions	45	2	0 - 21	34	3	0 - 86
Neuropsychiatric/Sensory Disease	8	0	0 -100	3	0	0 -100
Urologic Disease	10	10	0 - 85	11	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	71
Occupancy Rate (%):	73
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	26
Percent of Physicians Who Are Board Certified Specialists:	38
Interns and Residents:	0
Registered Nurses:	43
Licensed Practical Nurses:	27

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WILLIAMSON APPALACHIAN REGIONAL HOSP

2000 CENTRAL AVE
SOUTH WILLIAMSON, KY 41503

Medicare Hospital Provider Number: 180069

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	712	9	7 - 12	709	11	8 - 14
Cancer	10	80	28 - 78	14	64	34 - 82
Cerebrovascular Accidents	13	38	5 - 57	18	39	10 - 54
Gastrointestinal Catastrophes	7	0	7 - 55	4	25	8 - 82
Infectious Disease	3	33	5 - 87	3	67	8 - 88
Metabolic/Electrolyte Disorders	22	14	8 - 44	21	10	7 - 41
Pulmonary Disease	26	15	15 - 46	24	29	11 - 48
Renal Failure	2	100	11 - 96	1	100	2 - 97
Severe Acute Heart Disease	24	46	20 - 59	36	42	23 - 55
Severe Chronic Heart Disease	24	21	9 - 44	24	21	11 - 45
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	67	0	1 - 8	80	2	0 - 13
Gynecologic Disease	3	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	113	1	2 - 7	113	3	1 - 9
Musculoskeletal/Skin Conditions	58	2	0 - 16	44	2	0 - 24
Neuropsychiatric/Sensory Disease	11	0	0 - 72	10	0	0 -100
Urologic Disease	43	7	0 - 54	28	0	0 - 96

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 193
Occupancy Rate (%): 44
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 38
Percent of Physicians Who Are Board Certified Specialists: 26
Interns and Residents: (not available)
Registered Nurses: (not available)
Licensed Practical Nurses: (not available)

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

WOODFORD MEMORIAL HOSP

360 AMSDEN AVE
VERSAILLES, KY 40383

Medicare Hospital Provider Number: 180072

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	358	14	8 - 16	382	14	7 - 15
Cancer	8	50	12 - 73	10	80	22 - 72
Cerebrovascular Accidents	13	31	9 - 58	8	50	4 - 68
Gastrointestinal Catastrophes	5	20	9 - 76	5	20	7 - 75
Infectious Disease	5	60	3 - 78	3	100	6 - 80
Metabolic/Electrolyte Disorders	9	33	5 - 65	12	25	5 - 57
Pulmonary Disease	28	14	11 - 40	28	29	12 - 46
Renal Failure	2	100	7 - 92	2	0	3 - 89
Severe Acute Heart Disease	14	50	20 - 69	11	36	14 - 67
Severe Chronic Heart Disease	14	36	7 - 56	19	26	7 - 48
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	32	3	0 - 28	35	0	0 - 19
Gynecologic Disease	2	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	40	5	0 - 30	46	4	0 - 26
Musculoskeletal/Skin Conditions	24	0	0 - 44	25	0	0 - 76
Neuropsychiatric/Sensory Disease	24	13	0 - 93	10	0	0 -100
Urologic Disease	24	8	0 - 88	31	6	0 - 82

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	68
Occupancy Rate (%):	30
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	17
Percent of Physicians Who Are Board Certified Specialists:	82
Interns and Residents:	0
Registered Nurses:	31
Licensed Practical Nurses:	5

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ABERDEEN MONROE CO HOSP

400 S CHESTNUT ST
ABERDEEN, MS 39730

Medicare Hospital Provider Number: 250008

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	297	17	8 - 17	388	20	8 - 17
Cancer	9	89	31 - 78	7	71	21 - 82
Cerebrovascular Accidents	12	42	9 - 61	17	53	13 - 58
Gastrointestinal Catastrophes	0	-	-	1	100	1 - 97
Infectious Disease	1	0	0 - 97	1	0	3 - 98
Metabolic/Electrolyte Disorders	6	17	4 - 69	8	38	4 - 68
Pulmonary Disease	25	52	15 - 54	32	47	13 - 48
Renal Failure	1	100	0 -100	1	100	3 - 98
Severe Acute Heart Disease	3	33	5 - 86	5	60	9 - 80
Severe Chronic Heart Disease	16	19	8 - 48	16	25	8 - 51
Severe Trauma	0	-	-	1	0	0 - 99
Gastrointestinal Disease	21	0	0 - 51	32	6	0 - 38
Gynecologic Disease	2	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	33	6	0 - 37	45	7	0 - 27
Musculoskeletal/Skin Conditions	23	0	0 - 27	39	5	0 - 47
Neuropsychiatric/Sensory Disease	8	13	0 -100	14	0	0 - 97
Urologic Disease	8	38	0 -100	9	0	0 - 75

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 84
Occupancy Rate (%): 19
Ownership/Control: Local Government

STAFFING

Total Number of Physicians: 5
Percent of Physicians Who Are Board Certified Specialists: 40
Interns and Residents: 0
Registered Nurses: 12
Licensed Practical Nurses: 11

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

AMI GARDEN PARK COMMUNITY HOSP

1501 45 AVE
GULFPORT, MS 39501

Medicare Hospital Provider Number: 250123

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	736	11	9 - 14	736	11	8 - 14
Cancer	26	38	25 - 63	28	36	25 - 61
Cerebrovascular Accidents	21	57	15 - 56	16	25	9 - 52
Gastrointestinal Catastrophes	3	67	7 - 88	4	75	7 - 82
Infectious Disease	15	7	13 - 48	11	27	19 - 70
Metabolic/Electrolyte Disorders	24	17	7 - 43	10	20	6 - 60
Pulmonary Disease	34	26	12 - 43	29	34	15 - 50
Renal Failure	4	50	11 - 90	3	67	7 - 90
Severe Acute Heart Disease	20	55	21 - 63	11	55	18 - 71
Severe Chronic Heart Disease	40	17	11 - 36	34	38	14 - 46
Severe Trauma	1	0	0 - 97	0	-	-
Gastrointestinal Disease	55	2	0 - 15	64	2	0 - 13
Gynecologic Disease	2	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	101	3	1 - 10	83	1	1 - 9
Musculoskeletal/Skin Conditions	65	0	0 - 11	101	1	0 - 13
Neuropsychiatric/Sensory Disease	33	6	0 - 41	37	5	0 - 55
Urologic Disease	30	0	0 - 90	38	0	0 - 21

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1986

Total Beds (#):	120
Ownership/Control:	Private, For Profit

STAFFING

Interns and Residents:	0
Registered Nurses:	50
Licensed Practical Nurses:	17

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

AMI Garden Park Community Hospital

October 21, 1988

Dr. WIlliam Roper
Health Care Financing Administration
P.O. Box 26684
Baltimore, Maryland 21207

Dear Dr. Roper,

Thank you for this opportunity to respond to the release of data on hospital mortality rates for 1987.

AMI Garden Park Community Hospital is a 120 bed acute care hospital whose case mix includes general medical and surgical patients.

We have reviewed the mortality information provided by Health Care Financing Administration (HCFA) and validate that, with minor exceptions, the data is accurate.

On an ongoing basis, the medical staff has always reviewed the medical record of every patient who dies in our facility for appropriateness of care. Mortality review is an on-going process of the Quality Assurance Program and peer review activities are an intergal part of the monitoring of healthcare delivery at this hospital.

It is to be noted that the death rate, for each diagnostic category, at Garden Park is within the predicted ranges as determined by the Health Care Financing Administration. The exceptions are as follows: cerebrovascular accident fell outside the predicted rate on the upper limit, only by one percentage point; infectious disease also fell outside the predicted rate on the lower side 7% versus 13-48%. The Medical Staff of Garden Park will continue to review all mortality cases for quality and appropriateness of care rendered to the individual patient. Trending analysis from these reviews is a constant endeavor to assist in identifying opportunities to improve care.

Thank you for the opportunity to present this response.

Sincerely,

Will Peak

William Peaks
Executive Director

WP:cma

1520 Broad Avenue, Gulfport, Mississippi 39501 601 864-4210

BALDWYN SATELLITE HOSP

HIGHWAY 45 NORTH
BALDWYN, MS 38824

Medicare Hospital Provider Number: 250137

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	247	13	9 - 18	295	12	9 - 17
Cancer	3	100	15 - 87	6	67	12 - 78
Cerebrovascular Accidents	20	30	12 - 52	14	36	10 - 58
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	2	100	6 - 90
Metabolic/Electrolyte Disorders	16	31	6 - 54	26	19	7 - 43
Pulmonary Disease	22	23	9 - 46	14	14	9 - 50
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	8	13	11 - 63	9	44	20 - 78
Severe Chronic Heart Disease	11	18	8 - 56	16	44	8 - 55
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	22	5	0 - 60	22	0	0 - 79
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	26	8	0 - 53	36	3	0 - 24
Musculoskeletal/Skin Conditions	15	7	0 - 91	30	0	0 - 29
Neuropsychiatric/Sensory Disease	6	0	0 - 99	10	10	0 -100
Urologic Disease	10	0	0 -100	5	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1988

Total Beds (#):	49
Ownership/Control:	Private, Non-profit

STAFFING

Interns and Residents:	0
Registered Nurses:	15
Licensed Practical Nurses:	9

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	Yes

BAPTIST MEMORIAL HOSP BOONEVILLE L4

2ND AT WASHINGTON ST
BOONEVILLE, MS 38829

Medicare Hospital Provider Number: 250044

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	600	10	10 - 16	626	11	8 - 14
Cancer	15	80	29 - 71	16	56	27 - 74
Cerebrovascular Accidents	22	32	14 - 52	21	33	16 - 55
Gastrointestinal Catastrophes	5	40	4 - 78	4	50	2 - 83
Infectious Disease	9	11	11 - 60	3	33	3 - 86
Metabolic/Electrolyte Disorders	25	16	15 - 49	16	13	8 - 48
Pulmonary Disease	34	26	13 - 45	34	26	13 - 45
Renal Failure	1	0	0 - 97	1	0	1 - 97
Severe Acute Heart Disease	19	32	23 - 64	17	47	16 - 61
Severe Chronic Heart Disease	27	22	13 - 45	26	23	10 - 43
Severe Trauma	0	-	-	3	0	3 - 80
Gastrointestinal Disease	81	2	1 - 12	75	0	1 - 8
Gynecologic Disease	4	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	89	1	2 - 9	97	1	1 - 8
Musculoskeletal/Skin Conditions	36	0	0 - 26	43	2	0 - 29
Neuropsychiatric/Sensory Disease	11	0	0 - 99	15	0	0 - 99
Urologic Disease	10	10	0 -100	9	0	0 - 66

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	78
Occupancy Rate (%):	53
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	15
Percent of Physicians Who Are Board Certified Specialists:	27
Interns and Residents:	0
Registered Nurses:	45
Licensed Practical Nurses:	22

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

Baptist Memorial
Hospital Booneville
Highway 45 South
Booneville, Mississippi 38829
601-728-5331

October 10, 1988

Health Care Financing Administration
P.O. Box 26684
Baltimore, Maryland 21207

Dear Sirs:

Baptist Memorial Hospital - Booneville is a 121 bed facility licensed by the State of Mississippi and accredited by the Joint Commission on Accreditation of Healthcare Organizations.

Baptist Memorial Hospital - Booneville, Inc. is within the HCFA predicted mortality ranges in all diagnostic areas other than cancer. All of the patients who expired in this category had previously been treated at other acute care facilities for cancer. At the time they were admitted to Baptist Memorial Hospital - Booneville, their cancer was irreversible with no possibility for recovery. These patients were admitted for pain control and/or cancer related complications and death was unpreventable. Twenty-five percent (25%) of these patients expired within 72 hours after admission.

We caution against viewing the HCFA mortality rates as the ultimate indicators of quality. Quality cannot be measured with statistics alone. In fact, there is no statistical model available at this time which can consider all of the variables that may interact to result in a positive or negative patient outcome. Such a model can only suggest areas for evaluation or study.

The Board of Trustees and the Medical Staff strive for optimal patient care through an active Quality Assurance Program. Mortality Review is one important aspect of that program. An indepth review of these cases revealed that complications and comorbidities were predominant in these patients. No quality problems have been found in the thorough review of these cases.

Sincerely,

Ed Ledden

Ed Ledden
Administrator

BEACHAM MEMORIAL HOSP-

203 N CHERRY ST
MAGNOLIA, MS 39652

Medicare Hospital Provider Number: 250049

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	310	11	8 - 16	350	9	9 - 16
Cancer	9	78	34 - 88	3	67	14 - 95
Cerebrovascular Accidents	25	36	13 - 51	20	35	15 - 56
Gastrointestinal Catastrophes	1	0	3 - 98	3	0	5 - 80
Infectious Disease	1	0	1 - 97	0	-	-
Metabolic/Electrolyte Disorders	4	0	3 - 72	6	33	5 - 74
Pulmonary Disease	23	9	8 - 37	21	24	15 - 53
Renal Failure	2	100	5 - 90	2	0	3 - 89
Severe Acute Heart Disease	14	57	17 - 65	21	24	21 - 58
Severe Chronic Heart Disease	13	46	6 - 58	20	25	10 - 49
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	34	0	0 - 18	49	0	1 - 11
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	49	0	1 - 11	56	2	1 - 14
Musculoskeletal/Skin Conditions	40	0	0 - 15	29	0	0 - 21
Neuropsychiatric/Sensory Disease	12	0	0 -100	8	0	0 -100
Urologic Disease	7	0	0 -100	5	20	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	37
Occupancy Rate (%):	46
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	7
Percent of Physicians Who Are Board Certified Specialists:	86
Interns and Residents:	0
Registered Nurses:	6
Licensed Practical Nurses:	10

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BILOXI REGIONAL MEDICAL CENTER

1550 LAFAYETTE ST
BILOXI, MS 39530

Medicare Hospital Provider Number: 250007

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,091	11	8 - 13	921	12	9 - 14
Cancer	24	42	28 - 68	33	52	31 - 66
Cerebrovascular Accidents	23	39	12 - 51	31	45	14 - 49
Gastrointestinal Catastrophes	9	11	16 - 66	5	60	9 - 81
Infectious Disease	9	11	17 - 65	7	29	6 - 70
Metabolic/Electrolyte Disorders	19	21	10 - 51	13	23	6 - 55
Pulmonary Disease	52	25	14 - 40	44	20	9 - 36
Renal Failure	3	67	8 - 90	1	0	1 - 97
Severe Acute Heart Disease	33	70	25 - 57	38	39	23 - 54
Severe Chronic Heart Disease	50	16	12 - 34	47	28	12 - 39
Severe Trauma	5	60	8 - 80	3	33	5 - 87
Gastrointestinal Disease	102	3	1 - 11	83	4	1 - 14
Gynecologic Disease	8	0	0 - 99	6	0	0 -100
Low-Risk Heart Disease	145	2	1 - 8	121	3	1 - 10
Musculoskeletal/Skin Conditions	130	2	1 - 8	94	1	1 - 9
Neuropsychiatric/Sensory Disease	79	1	0 - 12	62	2	0 - 18
Urologic Disease	26	0	0 - 43	29	0	0 - 62

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	153
Occupancy Rate (%):	56
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	77
Percent of Physicians Who Are Board Certified Specialists:	73
Interns and Residents:	0
Registered Nurses:	80
Licensed Practical Nurses:	50

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BOLIVAR CO HOSP

HIGHWAY 8 EAST
CLEVELAND, MS 38732

Medicare Hospital Provider Number: 250093

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,001	14	11 - 17	1,101	14	12 - 17
Cancer	24	46	27 - 66	30	57	34 - 70
Cerebrovascular Accidents	38	34	14 - 44	48	27	18 - 44
Gastrointestinal Catastrophes	4	0	7 - 72	9	56	12 - 71
Infectious Disease	15	27	14 - 60	20	50	23 - 67
Metabolic/Electrolyte Disorders	20	25	13 - 54	25	28	8 - 47
Pulmonary Disease	89	24	20 - 40	96	25	21 - 41
Renal Failure	6	33	7 - 78	10	70	15 - 77
Severe Acute Heart Disease	31	32	24 - 58	33	39	23 - 56
Severe Chronic Heart Disease	72	26	15 - 37	50	18	15 - 38
Severe Trauma	0	-	-	2	0	0 - 93
Gastrointestinal Disease	99	4	1 - 12	110	5	1 - 13
Gynecologic Disease	10	0	0 -100	13	0	0 -100
Low-Risk Heart Disease	118	8	1 - 14	103	4	1 - 11
Musculoskeletal/Skin Conditions	75	1	0 - 12	76	1	1 - 10
Neuropsychiatric/Sensory Disease	38	0	0 - 20	38	3	0 - 34
Urologic Disease	27	0	0 - 50	26	4	0 - 40

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	188
Occupancy Rate (%):	61
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	19
Percent of Physicians Who Are Board Certified Specialists:	53
Interns and Residents:	0
Registered Nurses:	62
Licensed Practical Nurses:	53

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

CHOCTAW CO HOSP

W CHERRY ST BOX 417
ACKERMAN, MS 39735

Medicare Hospital Provider Number: 250047

Diagnostic Category	**Calender Year 1987**			**Calender Year 1986**		
	Cases	**Actual Mortality Rate (%)**	**Range For Predicted Mortality (%)**	**Cases**	**Actual Mortality Rate (%)**	**Range For Predicted Mortality (%)**
All Cases	197	14	7 - 17	205	13	8 - 18
Cancer	1	100	3 - 99	1	100	2 -100
Cerebrovascular Accidents	10	50	6 - 64	12	33	8 - 59
Gastrointestinal Catastrophes	1	100	2 - 97	1	0	2 - 97
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	5	0	5 - 64	6	17	4 - 69
Pulmonary Disease	24	13	8 - 39	22	18	9 - 45
Renal Failure	1	100	3 - 99	0	-	-
Severe Acute Heart Disease	2	100	8 - 92	4	75	10 - 83
Severe Chronic Heart Disease	13	38	7 - 58	14	14	9 - 50
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	21	0	0 - 30	21	5	0 - 69
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	16	13	0 - 96	19	5	0 - 74
Musculoskeletal/Skin Conditions	15	7	0 - 96	13	8	0 -100
Neuropsychiatric/Sensory Disease	5	0	0 -100	7	0	0 -100
Urologic Disease	2	0	0 -100	6	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	88
Occupancy Rate (%):	69
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	10
Percent of Physicians Who Are Board Certified Specialists:	40
Interns and Residents:	0
Registered Nurses:	13
Licensed Practical Nurses:	5

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

CHOCTAW HEALTH CENTER

ROUTE 7 BOX R50
PHILADELPHIA , MS 39350

Medicare Hospital Provider Number: 250127

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	18	6	1 - 37	22	5	4 - 29
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	0	-	-	0	-	-
Gastrointestinal Catastrophes	0	-	-	1	100	2 - 97
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	1	0	2 - 97
Pulmonary Disease	2	50	3 - 92	2	0	1 - 91
Renal Failure	0	-	-	1	0	0 -100
Severe Acute Heart Disease	0	-	-	0	-	-
Severe Chronic Heart Disease	1	0	0 - 99	1	0	0 - 98
Severe Trauma	0	-	-	1	0	0 - 98
Gastrointestinal Disease	2	0	0 -100	1	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	3	0	0 -100	3	0	0 -100
Musculoskeletal/Skin Conditions	2	0	0 -100	1	0	0 -100
Neuropsychiatric/Sensory Disease	2	0	0 -100	0	-	-
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1985

Total Beds (#):	40
Ownership/Control:	Federal Government

STAFFING

Interns and Residents:	0
Registered Nurses:	16
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

CLAIBORNE CO HOSP

123 MCCOMB AV
PORT GIBSON, MS 39150

Medicare Hospital Provider Number: 250068

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	121	10	6 - 18	113	10	7 - 19
Cancer	0	-	-	1	100	3 -100
Cerebrovascular Accidents	6	33	7 - 74	3	0	1 - 82
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	4	25	2 - 81	1	0	0 -100
Pulmonary Disease	5	20	3 - 74	9	33	10 - 67
Renal Failure	2	100	6 - 91	6	33	14 - 85
Severe Acute Heart Disease	1	0	3 - 99	0	-	-
Severe Chronic Heart Disease	10	0	7 - 42	7	14	3 - 64
Severe Trauma	2	50	1 - 93	0	-	-
Gastrointestinal Disease	14	0	0 - 77	12	0	0 - 78
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	7	14	0 -100	12	8	0 - 81
Musculoskeletal/Skin Conditions	11	9	0 - 91	8	0	0 -100
Neuropsychiatric/Sensory Disease	5	0	0 -100	7	14	0 - 97
Urologic Disease	0	-	-	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	32
Occupancy Rate (%):	25
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	12
Percent of Physicians Who Are Board Certified Specialists:	0
Interns and Residents:	0
Registered Nurses:	7
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

CLAY CO MEDICAL CENTER

835 MEDICAL CENTER DR
WEST POINT, MS 39773

Medicare Hospital Provider Number: 250067

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	498	13	11 - 18	503	11	11 - 17
Cancer	22	45	28 - 69	13	54	21 - 72
Cerebrovascular Accidents	31	39	15 - 49	22	9	16 - 44
Gastrointestinal Catastrophes	2	0	5 - 89	2	50	4 - 92
Infectious Disease	3	67	8 - 89	1	0	0 - 99
Metabolic/Electrolyte Disorders	9	33	11 - 69	20	35	11 - 55
Pulmonary Disease	36	14	12 - 38	31	23	12 - 43
Renal Failure	3	67	13 - 97	2	0	3 - 89
Severe Acute Heart Disease	27	37	24 - 60	44	34	26 - 55
Severe Chronic Heart Disease	27	11	10 - 37	36	22	11 - 40
Severe Trauma	1	0	1 - 97	1	0	1 - 97
Gastrointestinal Disease	67	1	0 - 12	47	0	1 - 12
Gynecologic Disease	4	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	39	0	2 - 13	68	0	1 - 8
Musculoskeletal/Skin Conditions	42	2	0 - 54	37	0	0 - 18
Neuropsychiatric/Sensory Disease	11	0	0 -100	11	0	0 -100
Urologic Disease	18	0	1 - 27	10	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	60
Occupancy Rate (%):	55
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	27
Percent of Physicians Who Are Board Certified Specialists:	78
Interns and Residents:	0
Registered Nurses:	29
Licensed Practical Nurses:	13

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

COLUMBUS HOSP INC

525 WILLOWBROOK RD
COLUMBUS, MS 39701

Medicare Hospital Provider Number: 250118

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	686	10	8 - 14	656	10	7 - 13
Cancer	23	43	30 - 70	17	35	23 - 68
Cerebrovascular Accidents	16	25	11 - 54	20	30	14 - 53
Gastrointestinal Catastrophes	6	50	13 - 80	3	0	3 - 80
Infectious Disease	10	40	18 - 74	8	50	14 - 75
Metabolic/Electrolyte Disorders	8	0	4 - 50	6	17	2 - 72
Pulmonary Disease	46	28	14 - 42	33	15	11 - 38
Renal Failure	2	50	1 - 93	4	50	4 - 84
Severe Acute Heart Disease	11	64	15 - 68	22	27	19 - 57
Severe Chronic Heart Disease	26	4	13 - 34	21	24	8 - 46
Severe Trauma	1	0	0 - 98	1	0	1 - 97
Gastrointestinal Disease	76	1	1 - 10	70	1	0 - 12
Gynecologic Disease	8	0	0 -100	10	0	0 -100
Low-Risk Heart Disease	56	4	1 - 18	48	4	0 - 24
Musculoskeletal/Skin Conditions	74	1	0 - 16	64	3	0 - 18
Neuropsychiatric/Sensory Disease	31	6	0 - 76	28	0	0 - 34
Urologic Disease	29	3	0 - 54	32	0	0 - 34

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	92
Occupancy Rate (%):	57
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	72
Percent of Physicians Who Are Board Certified Specialists:	0
Interns and Residents:	0
Registered Nurses:	41
Licensed Practical Nurses:	20

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

COMMUNITY HOSP OF CALHOUN CO

PO BOX 128
PITTSBORO, MS 38951

Medicare Hospital Provider Number: 250016

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	112	4	7 - 16	147	6	7 - 16
Cancer	2	50	4 - 93	2	50	6 - 95
Cerebrovascular Accidents	2	50	6 - 94	1	0	2 - 97
Gastrointestinal Catastrophes	1	0	1 - 97	1	0	2 - 97
Infectious Disease	2	0	2 - 88	4	0	5 - 71
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	11	9	14 - 56	16	13	7 - 45
Renal Failure	2	0	6 - 91	1	100	2 - 97
Severe Acute Heart Disease	1	100	0 -100	2	100	11 - 95
Severe Chronic Heart Disease	3	0	1 - 81	8	0	4 - 48
Severe Trauma	1	0	2 - 97	0	-	-
Gastrointestinal Disease	18	0	0 - 78	14	0	0 - 71
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	16	0	0 - 58	19	0	0 - 39
Musculoskeletal/Skin Conditions	15	0	0 - 99	12	0	0 -100
Neuropsychiatric/Sensory Disease	7	0	0 -100	5	0	0 -100
Urologic Disease	1	0	0 -100	3	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	49
Occupancy Rate (%):	12
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	9
Percent of Physicians Who Are Board Certified Specialists:	56
Interns and Residents:	0
Registered Nurses:	7
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

COVINGTON CO HOSP

PO BOX 1149
COLLINS, MS 39428

Medicare Hospital Provider Number: 250105

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	291	12	8 - 16	347	12	9 - 16
Cancer	4	50	12 - 88	3	100	12 - 84
Cerebrovascular Accidents	15	13	15 - 53	14	21	14 - 58
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	1	0	1 - 97	4	100	19 - 82
Metabolic/Electrolyte Disorders	8	13	5 - 60	11	27	3 - 60
Pulmonary Disease	22	14	11 - 44	25	20	12 - 46
Renal Failure	1	0	2 - 97	1	0	3 - 99
Severe Acute Heart Disease	10	70	13 - 67	13	38	20 - 69
Severe Chronic Heart Disease	20	30	8 - 49	20	20	15 - 52
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	26	4	0 - 49	34	3	0 - 29
Gynecologic Disease	0	-	-	3	0	0 -100
Low-Risk Heart Disease	50	8	0 - 31	67	3	1 - 15
Musculoskeletal/Skin Conditions	27	0	1 - 21	24	8	0 - 73
Neuropsychiatric/Sensory Disease	8	0	0 - 83	8	0	0 -100
Urologic Disease	6	0	0 -100	7	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	82
Occupancy Rate (%):	41
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	8
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	20
Licensed Practical Nurses:	17

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

DELTA MEDICAL CTR

1400 E UNION ST
GREENVILLE, MS 38704

Medicare Hospital Provider Number: 250082

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	**Actual Mortality Rate (%)**	**Range For Predicted Mortality (%)**	**Cases**	**Actual Mortality Rate (%)**	**Range For Predicted Mortality (%)**
All Cases	1,189	16	11 - 16	1,044	16	10 - 16
Cancer	61	44	30 - 58	38	53	29 - 62
Cerebrovascular Accidents	76	32	16 - 38	65	48	15 - 41
Gastrointestinal Catastrophes	12	33	17 - 69	13	46	16 - 68
Infectious Disease	12	42	11 - 64	10	70	16 - 70
Metabolic/Electrolyte Disorders	18	11	10 - 46	10	30	5 - 62
Pulmonary Disease	56	20	13 - 36	46	26	14 - 42
Renal Failure	10	50	10 - 74	16	44	11 - 70
Severe Acute Heart Disease	38	53	22 - 55	32	41	25 - 59
Severe Chronic Heart Disease	72	18	13 - 33	45	22	12 - 37
Severe Trauma	3	0	9 - 82	1	0	0 - 99
Gastrointestinal Disease	50	6	0 - 28	73	3	1 - 13
Gynecologic Disease	9	0	0 - 97	8	0	0 -100
Low-Risk Heart Disease	112	8	1 - 15	85	8	1 - 18
Musculoskeletal/Skin Conditions	96	0	0 - 7	95	4	0 - 18
Neuropsychiatric/Sensory Disease	48	4	0 - 35	58	0	0 - 14
Urologic Disease	96	4	1 - 13	92	2	1 - 11

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 268
Occupancy Rate (%): 45
Ownership/Control: Local Government

STAFFING

Total Number of Physicians: 69
Percent of Physicians Who Are Board Certified Specialists: 51
Interns and Residents: 0
Registered Nurses: 115
Licensed Practical Nurses: 84

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: Yes
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: No

DISTRICT 2 COMMUNITY HOSP

603 N WEST AVE
DURANT, MS 39063

Medicare Hospital Provider Number: 250101

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	135	17	8 - 21	144	9	7 - 17
Cancer	4	50	10 - 86	4	75	12 - 86
Cerebrovascular Accidents	5	40	4 - 77	5	20	5 - 74
Gastrointestinal Catastrophes	0	-	-	1	100	2 - 98
Infectious Disease	1	0	2 - 97	3	67	1 - 88
Metabolic/Electrolyte Disorders	5	20	5 - 74	7	14	6 - 65
Pulmonary Disease	4	0	5 - 71	2	0	0 - 94
Renal Failure	1	100	1 - 97	0	-	-
Severe Acute Heart Disease	9	67	12 - 69	1	0	0 - 98
Severe Chronic Heart Disease	5	40	3 - 77	7	29	5 - 69
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	8	0	0 - 95	9	0	0 - 96
Gynecologic Disease	0	-	-	3	0	0 -100
Low-Risk Heart Disease	15	27	0 - 74	16	6	0 - 61
Musculoskeletal/Skin Conditions	13	0	0 -100	15	0	0 - 85
Neuropsychiatric/Sensory Disease	9	0	0 - 89	5	0	0 -100
Urologic Disease	3	0	0 -100	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 29
Occupancy Rate (%): 59
Ownership/Control: District/Authority

STAFFING

Total Number of Physicians: 4
Percent of Physicians Who Are Board Certified Specialists: 50
Interns and Residents: 0
Registered Nurses: 6
Licensed Practical Nurses: 6

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

DOCTORS HOSPITAL OF JACKSON

2969 UNIVERSITY DR
JACKSON, MS 39216

Medicare Hospital Provider Number: 250129

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	407	11	7 - 14	365	10	6 - 14
Cancer	11	27	15 - 66	7	43	10 - 74
Cerebrovascular Accidents	12	25	9 - 58	8	0	7 - 49
Gastrointestinal Catastrophes	4	25	5 - 80	1	0	1 - 97
Infectious Disease	7	71	13 - 75	2	50	1 - 93
Metabolic/Electrolyte Disorders	6	33	2 - 75	8	38	9 - 71
Pulmonary Disease	29	41	16 - 52	22	27	9 - 48
Renal Failure	1	100	1 - 97	3	33	1 - 90
Severe Acute Heart Disease	6	17	14 - 75	7	43	18 - 81
Severe Chronic Heart Disease	14	36	5 - 55	17	18	5 - 45
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	36	3	0 - 36	33	3	0 - 29
Gynecologic Disease	1	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	30	0	0 - 25	29	10	0 - 59
Musculoskeletal/Skin Conditions	70	0	0 - 13	41	2	0 - 41
Neuropsychiatric/Sensory Disease	10	0	0 -100	39	0	0 - 30
Urologic Disease	23	0	0 - 35	14	0	0 - 70

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	162
Occupancy Rate (%):	25
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	214
Percent of Physicians Who Are Board Certified Specialists:	71
Interns and Residents:	0
Registered Nurses:	40
Licensed Practical Nurses:	13

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ELLISVILLE MUNICIPAL HOSP

305 E IVY ST
ELLISVILLE, MS 39437

Medicare Hospital Provider Number: 250026

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	55	13	7 - 26	72	8	5 - 20
Cancer	0	-	-	1	100	0 -100
Cerebrovascular Accidents	2	0	7 - 91	0	-	-
Gastrointestinal Catastrophes	1	100	3 - 99	0	-	-
Infectious Disease	2	0	3 - 88	0	-	-
Metabolic/Electrolyte Disorders	1	100	2 - 97	1	0	3 - 99
Pulmonary Disease	11	45	11 - 65	8	0	1 - 53
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	1	100	3 - 99
Severe Chronic Heart Disease	2	0	0 - 95	6	50	4 - 74
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	6	0	0 -100	7	0	0 - 88
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	2	0	0 -100	9	0	0 - 91
Musculoskeletal/Skin Conditions	6	0	0 -100	3	0	0 -100
Neuropsychiatric/Sensory Disease	1	0	0 -100	3	0	0 -100
Urologic Disease	2	0	0 -100	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	16
Occupancy Rate (%):	29
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	6
Percent of Physicians Who Are Board Certified Specialists:	0
Interns and Residents:	0
Registered Nurses:	6
Licensed Practical Nurses:	6

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

F G RILEY MEMORIAL HOSP

1102 21ST AV
MERIDIAN, MS 39301

Medicare Hospital Provider Number: 250081

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,794	10	10 - 15	1,766	11	10 - 14
Cancer	45	42	33 - 64	43	40	31 - 63
Cerebrovascular Accidents	44	20	15 - 41	51	31	16 - 42
Gastrointestinal Catastrophes	13	0	20 - 51	13	38	18 - 70
Infectious Disease	29	28	28 - 63	21	38	20 - 62
Metabolic/Electrolyte Disorders	25	40	15 - 56	21	24	6 - 48
Pulmonary Disease	104	24	18 - 37	109	21	19 - 38
Renal Failure	7	57	8 - 77	8	25	13 - 78
Severe Acute Heart Disease	59	34	23 - 49	70	43	28 - 52
Severe Chronic Heart Disease	82	26	20 - 40	36	33	13 - 44
Severe Trauma	2	0	3 - 88	1	100	0 - 98
Gastrointestinal Disease	170	1	2 - 6	188	5	1 - 9
Gynecologic Disease	4	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	196	3	1 - 7	219	2	2 - 6
Musculoskeletal/Skin Conditions	190	2	2 - 7	166	1	0 - 5
Neuropsychiatric/Sensory Disease	41	0	0 - 25	51	2	0 - 18
Urologic Disease	48	4	0 - 43	60	2	0 - 15

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 162
Occupancy Rate (%): 69
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 64
Percent of Physicians Who Are Board Certified Specialists: 73
Interns and Residents: 0
Registered Nurses: 138
Licensed Practical Nurses: 36

SPECIALTY SERVICES

Shock/Trauma Unit: Yes
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: No

FIELD MEMORIAL HOSP-

PO BOX 639
CENTREVILLE, MS 39631

Medicare Hospital Provider Number: 250088

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	443	17	11 - 19	446	15	9 - 17
Cancer	13	85	32 - 74	8	50	17 - 78
Cerebrovascular Accidents	30	30	12 - 46	21	29	14 - 53
Gastrointestinal Catastrophes	3	33	7 - 88	3	67	7 - 88
Infectious Disease	9	11	11 - 60	4	75	10 - 83
Metabolic/Electrolyte Disorders	10	60	7 - 65	13	8	5 - 47
Pulmonary Disease	45	24	15 - 42	50	36	16 - 45
Renal Failure	2	0	6 - 91	4	100	16 - 84
Severe Acute Heart Disease	24	63	22 - 60	10	40	13 - 68
Severe Chronic Heart Disease	23	22	8 - 44	19	26	8 - 49
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	47	4	0 - 32	37	5	0 - 48
Gynecologic Disease	4	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	44	0	1 - 12	58	3	1 - 17
Musculoskeletal/Skin Conditions	29	3	0 - 56	32	3	0 - 85
Neuropsychiatric/Sensory Disease	9	0	0 -100	11	0	0 - 99
Urologic Disease	11	0	0 - 88	16	0	0 - 66

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	66
Occupancy Rate (%):	33
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	11
Percent of Physicians Who Are Board Certified Specialists:	91
Interns and Residents:	0
Registered Nurses:	18
Licensed Practical Nurses:	12

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

FORREST GENERAL HOSP

400 S 28TH AVE
HATTIESBURG, MS 39401

Medicare Hospital Provider Number: 250078

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,324	10	8 - 12	2,990	12	9 - 13
Cancer	131	45	33 - 54	121	43	32 - 55
Cerebrovascular Accidents	95	27	18 - 37	107	34	18 - 37
Gastrointestinal Catastrophes	32	41	19 - 57	19	37	11 - 56
Infectious Disease	39	38	15 - 49	32	47	23 - 59
Metabolic/Electrolyte Disorders	19	16	10 - 48	25	32	7 - 48
Pulmonary Disease	109	20	18 - 36	133	24	16 - 34
Renal Failure	16	38	18 - 75	13	38	11 - 71
Severe Acute Heart Disease	102	30	24 - 44	102	40	28 - 49
Severe Chronic Heart Disease	104	29	14 - 33	110	30	17 - 36
Severe Trauma	8	50	6 - 70	11	18	7 - 59
Gastrointestinal Disease	260	3	1 - 7	245	3	1 - 7
Gynecologic Disease	37	0	0 -100	45	2	0 -100
Low-Risk Heart Disease	408	2	2 - 6	342	3	2 - 6
Musculoskeletal/Skin Conditions	397	2	1 - 5	371	2	0 - 5
Neuropsychiatric/Sensory Disease	134	1	1 - 8	127	3	1 - 10
Urologic Disease	233	3	0 - 8	173	2	0 - 8

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	443
Occupancy Rate (%):	70
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	179
Percent of Physicians Who Are Board Certified Specialists:	64
Interns and Residents:	0
Registered Nurses:	325
Licensed Practical Nurses:	74

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

FRANKLIN CO MEMORIAL HOSP-

PO BOX 428
MEADVILLE, MS 39653

Medicare Hospital Provider Number: 250035

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	196	20	10 - 22	216	13	9 - 19
Cancer	2	100	4 - 88	3	100	21 - 94
Cerebrovascular Accidents	21	38	12 - 53	9	22	10 - 64
Gastrointestinal Catastrophes	0	-	-	3	0	3 - 79
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	2	0	2 - 89	2	0	0 - 98
Pulmonary Disease	11	27	8 - 60	3	0	8 - 81
Renal Failure	0	-	-	2	100	4 - 89
Severe Acute Heart Disease	16	50	24 - 70	18	39	19 - 62
Severe Chronic Heart Disease	11	36	5 - 60	18	22	13 - 52
Severe Trauma	1	0	0 - 97	0	-	-
Gastrointestinal Disease	12	0	0 - 54	22	5	0 - 78
Gynecologic Disease	1	0	0 -100	0	-	-
Low-Risk Heart Disease	22	14	0 - 80	31	3	0 - 44
Musculoskeletal/Skin Conditions	15	7	0 -100	16	6	0 - 89
Neuropsychiatric/Sensory Disease	7	0	0 -100	1	0	0 -100
Urologic Disease	2	50	0 -100	3	33	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	53
Occupancy Rate (%):	25
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	5
Percent of Physicians Who Are Board Certified Specialists:	40
Interns and Residents:	0
Registered Nurses:	16
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

GEORGE COUNTY MOBILE INFIRMARY

PO BOX 607
LUCEDALE, MS 39452

Medicare Hospital Provider Number: 250036

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	297	11	9 - 17	305	12	10 - 18
Cancer	3	67	13 - 94	6	50	18 - 85
Cerebrovascular Accidents	7	14	12 - 67	7	43	5 - 71
Gastrointestinal Catastrophes	1	0	0 - 99	0	-	-
Infectious Disease	2	50	0 - 97	7	57	12 - 76
Metabolic/Electrolyte Disorders	1	0	0 -100	1	0	0 -100
Pulmonary Disease	39	10	14 - 37	28	25	14 - 47
Renal Failure	2	100	6 - 91	3	100	16 - 92
Severe Acute Heart Disease	14	36	16 - 64	18	28	19 - 60
Severe Chronic Heart Disease	14	29	7 - 55	15	13	11 - 49
Severe Trauma	3	100	19 - 92	0	-	-
Gastrointestinal Disease	42	2	0 - 26	35	0	0 - 23
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	47	2	1 - 17	52	6	0 - 23
Musculoskeletal/Skin Conditions	22	5	0 - 49	24	0	0 - 55
Neuropsychiatric/Sensory Disease	2	0	0 - 95	3	0	0 -100
Urologic Disease	8	0	0 - 84	11	0	0 - 70

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	49
Occupancy Rate (%):	37
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	10
Percent of Physicians Who Are Board Certified Specialists:	30
Interns and Residents:	0
Registered Nurses:	21
Licensed Practical Nurses:	23

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

GILMORE MEMORIAL HOSP-

S BOULEVARD DR
AMORY, MS 38821

Medicare Hospital Provider Number: 250025

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	593	11	10 - 16	678	12	9 - 15
Cancer	10	70	19 - 73	19	42	23 - 67
Cerebrovascular Accidents	19	26	11 - 51	13	38	9 - 59
Gastrointestinal Catastrophes	4	50	8 - 84	4	100	12 - 76
Infectious Disease	12	25	10 - 60	15	47	19 - 68
Metabolic/Electrolyte Disorders	17	24	11 - 54	14	7	7 - 46
Pulmonary Disease	59	29	15 - 40	53	23	13 - 39
Renal Failure	2	100	5 - 90	4	25	6 - 83
Severe Acute Heart Disease	24	42	20 - 58	26	58	27 - 64
Severe Chronic Heart Disease	34	12	14 - 38	39	33	12 - 43
Severe Trauma	1	0	0 - 98	0	-	-
Gastrointestinal Disease	57	0	1 - 10	85	0	2 - 7
Gynecologic Disease	19	0	0 -100	10	0	0 -100
Low-Risk Heart Disease	102	3	1 - 10	90	1	1 - 8
Musculoskeletal/Skin Conditions	25	0	0 - 36	31	0	0 - 41
Neuropsychiatric/Sensory Disease	15	0	0 - 60	29	0	0 - 56
Urologic Disease	8	13	0 -100	6	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	95
Occupancy Rate (%):	47
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	18
Percent of Physicians Who Are Board Certified Specialists:	78
Interns and Residents:	0
Registered Nurses:	54
Licensed Practical Nurses:	93

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

GOLDEN TRIANGLE REGIONAL MEDICAL CTR

2520 5TH ST N
COLUMBUS, MS 39701

Medicare Hospital Provider Number: 250100

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,378	10	8 - 13	1,396	10	9 - 13
Cancer	42	33	30 - 61	47	49	32 - 62
Cerebrovascular Accidents	58	28	17 - 41	45	33	14 - 42
Gastrointestinal Catastrophes	10	50	19 - 76	7	14	13 - 70
Infectious Disease	13	31	14 - 63	16	38	13 - 60
Metabolic/Electrolyte Disorders	16	31	7 - 55	19	21	5 - 48
Pulmonary Disease	52	29	15 - 41	57	21	14 - 38
Renal Failure	5	60	4 - 80	5	80	18 - 90
Severe Acute Heart Disease	28	46	22 - 59	41	39	24 - 54
Severe Chronic Heart Disease	41	20	13 - 39	39	23	13 - 41
Severe Trauma	1	100	0 - 97	4	0	4 - 72
Gastrointestinal Disease	139	4	0 - 11	142	2	1 - 8
Gynecologic Disease	24	0	0 -100	15	0	0 -100
Low-Risk Heart Disease	106	2	1 - 9	114	2	1 - 8
Musculoskeletal/Skin Conditions	121	1	1 - 7	135	3	0 - 10
Neuropsychiatric/Sensory Disease	43	0	0 - 21	53	2	0 - 28
Urologic Disease	88	1	0 - 13	90	3	0 - 29

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	248
Occupancy Rate (%):	45
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	64
Percent of Physicians Who Are Board Certified Specialists:	55
Interns and Residents:	0
Registered Nurses:	144
Licensed Practical Nurses:	47

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	Yes
Hospice Care:	No

GREENE CO HOSP

PO BOX 137
LEAKESVILLE, MS 39451

Medicare Hospital Provider Number: 250133

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	82	13	5 - 21	95	11	6 - 19
Cancer	0	-	-	1	100	0 - 97
Cerebrovascular Accidents	2	0	5 - 89	1	100	0 - 99
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	3	67	5 - 86	5	0	6 - 64
Pulmonary Disease	8	13	3 - 59	9	33	4 - 64
Renal Failure	0	-	-	2	50	8 - 98
Severe Acute Heart Disease	3	100	12 - 84	1	0	0 - 98
Severe Chronic Heart Disease	10	40	3 - 63	5	0	5 - 63
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	15	0	0 - 55	12	0	0 - 98
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	6	0	0 - 98	5	0	0 -100
Musculoskeletal/Skin Conditions	5	0	0 -100	6	0	0 -100
Neuropsychiatric/Sensory Disease	2	0	0 -100	4	0	0 -100
Urologic Disease	1	0	0 -100	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	40
Occupancy Rate (%):	69
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	4
Percent of Physicians Who Are Board Certified Specialists:	0
Interns and Residents:	0
Registered Nurses:	5
Licensed Practical Nurses:	5

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

GREENWOOD LEFLORE HOSP

1401 RIVER RD DRAWER 1410
GREENWOOD, MS 38930

Medicare Hospital Provider Number: 250099

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,946	11	10 - 14	2,021	11	9 - 14
Cancer	64	45	35 - 63	49	49	34 - 65
Cerebrovascular Accidents	73	33	17 - 40	61	33	16 - 41
Gastrointestinal Catastrophes	13	23	12 - 60	12	17	11 - 58
Infectious Disease	9	22	9 - 64	25	28	17 - 55
Metabolic/Electrolyte Disorders	34	26	14 - 48	31	23	11 - 46
Pulmonary Disease	77	23	18 - 40	83	29	20 - 42
Renal Failure	17	41	11 - 68	9	44	16 - 82
Severe Acute Heart Disease	52	44	26 - 55	76	49	28 - 52
Severe Chronic Heart Disease	80	19	15 - 33	86	28	14 - 34
Severe Trauma	1	100	0 - 98	2	0	3 - 88
Gastrointestinal Disease	163	2	1 - 8	194	4	1 - 8
Gynecologic Disease	17	0	0 -100	32	0	0 -100
Low-Risk Heart Disease	229	3	1 - 7	233	5	2 - 8
Musculoskeletal/Skin Conditions	172	1	1 - 6	207	1	1 - 6
Neuropsychiatric/Sensory Disease	61	2	1 - 13	57	4	0 - 20
Urologic Disease	100	0	1 - 6	116	2	0 - 10

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	260
Occupancy Rate (%):	48
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	36
Percent of Physicians Who Are Board Certified Specialists:	81
Interns and Residents:	0
Registered Nurses:	71
Licensed Practical Nurses:	94

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Greenwood Leflore
Hospital

October 20, 1988

ID 250099

Health Standards and Quality Bureau, HCFA
ATTN: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

RE: Medicare Hospital Mortality Information - 1987

Dear Mrs. Kappert:

I am in receipt of Dr. William L. Roper's letter dated September 15, 1988 concerning the Medicare Hospital Mortality Information for 1987 and a list of patients discharged from our hospital in 1987 along with a list by diagnostic category. It stated that we can provide comments concerning our statistical information.

We would like to state that some of the Medicare hospital mortality information is incorrect and would like to advise you of this.

- Percent of physicians who are Board Certified Specialists - Your report lists 60% and the actual percent is 86%.

- Specialty Services indicates Coronary Care Unit as "No" and this should be "Yes".

- Under "All Causes", it is listed under Severe Trauma as one case and in review of this patient, the record indicates that this was a semi-comatose patient admitted from a nursing home with possible aspiration which is not severe trauma. Patient was chronically ill, was treated and returned to the nursing home. We would like to request further consideration concerning this patient as, in our opinion, it may not be in the proper diagnostic category.

If you have any questions, please feel free to contact me.

Sincerely yours,

Thomas L. Askew
Executive Director

TLA/lmw

GRENADA LAKE MEDICAL CENTER

960 AVENT DRIVE
GRENADA, MS 38901

Medicare Hospital Provider Number: 250015

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	904	14	10 - 16	828	14	9 - 15
Cancer	20	65	32 - 73	13	77	22 - 68
Cerebrovascular Accidents	32	59	20 - 54	48	40	16 - 45
Gastrointestinal Catastrophes	4	50	3 - 82	10	10	17 - 63
Infectious Disease	8	38	9 - 70	9	44	13 - 72
Metabolic/Electrolyte Disorders	19	37	8 - 53	9	33	4 - 65
Pulmonary Disease	57	23	18 - 42	48	25	16 - 43
Renal Failure	3	100	17 - 92	2	50	5 - 94
Severe Acute Heart Disease	42	43	28 - 59	43	44	26 - 56
Severe Chronic Heart Disease	37	24	11 - 40	33	24	11 - 41
Severe Trauma	1	100	1 - 97	0	-	-
Gastrointestinal Disease	72	4	0 - 17	69	9	0 - 23
Gynecologic Disease	5	0	0 -100	8	0	0 - 99
Low-Risk Heart Disease	148	1	2 - 7	135	5	1 - 12
Musculoskeletal/Skin Conditions	79	1	1 - 10	67	3	0 - 34
Neuropsychiatric/Sensory Disease	28	0	0 - 23	22	5	0 - 59
Urologic Disease	43	2	1 - 16	52	2	0 - 22

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	86
Occupancy Rate (%):	71
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	17
Percent of Physicians Who Are Board Certified Specialists:	71
Interns and Residents:	0
Registered Nurses:	72
Licensed Practical Nurses:	44

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

GULF COAST COMMUNITY HOSP

4642 W BEACH BLVD
BILOXI, MS 39531

Medicare Hospital Provider Number: 250125

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,039	9	7 - 12	1,019	10	7 - 13
Cancer	19	63	27 - 69	19	47	24 - 68
Cerebrovascular Accidents	29	38	12 - 47	19	32	9 - 51
Gastrointestinal Catastrophes	6	0	8 - 60	4	25	9 - 83
Infectious Disease	12	25	16 - 65	12	42	15 - 68
Metabolic/Electrolyte Disorders	10	20	2 - 61	12	8	4 - 49
Pulmonary Disease	53	6	15 - 32	49	33	15 - 43
Renal Failure	3	0	2 - 82	8	88	22 - 82
Severe Acute Heart Disease	29	55	22 - 58	30	47	20 - 55
Severe Chronic Heart Disease	41	29	13 - 41	58	21	13 - 36
Severe Trauma	3	33	1 - 87	1	100	0 - 98
Gastrointestinal Disease	145	3	1 - 9	110	3	1 - 10
Gynecologic Disease	5	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	140	1	1 - 7	130	2	1 - 7
Musculoskeletal/Skin Conditions	112	1	0 - 8	142	0	0 - 5
Neuropsychiatric/Sensory Disease	52	2	0 - 17	53	0	0 - 13
Urologic Disease	42	0	0 - 29	29	0	0 - 39

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	185
Occupancy Rate (%):	55
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	80
Percent of Physicians Who Are Board Certified Specialists:	64
Interns and Residents:	0
Registered Nurses:	125
Licensed Practical Nurses:	31

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

H C WATKINS MEM HOSP

605 S ARCHUSA AVE
QUITMAN, MS 39355

Medicare Hospital Provider Number: 250089

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	413	12	10 - 17	422	13	8 - 16
Cancer	10	40	20 - 76	10	60	22 - 77
Cerebrovascular Accidents	19	26	10 - 50	20	20	13 - 50
Gastrointestinal Catastrophes	2	0	8 - 92	1	0	0 - 99
Infectious Disease	5	20	7 - 75	4	50	4 - 82
Metabolic/Electrolyte Disorders	37	27	11 - 45	23	30	14 - 54
Pulmonary Disease	42	19	15 - 41	27	19	9 - 41
Renal Failure	1	100	1 - 97	1	0	0 - 99
Severe Acute Heart Disease	10	60	17 - 72	5	20	15 - 81
Severe Chronic Heart Disease	15	13	10 - 48	20	30	5 - 47
Severe Trauma	0	-	-	2	0	0 - 92
Gastrointestinal Disease	44	0	0 - 16	56	4	1 - 18
Gynecologic Disease	10	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	44	2	0 - 25	64	5	0 - 21
Musculoskeletal/Skin Conditions	34	6	0 - 61	31	0	1 - 18
Neuropsychiatric/Sensory Disease	10	0	0 -100	11	0	0 -100
Urologic Disease	5	20	0 -100	5	20	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	40
Occupancy Rate (%):	47
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	7
Percent of Physicians Who Are Board Certified Specialists:	29
Interns and Residents:	0
Registered Nurses:	16
Licensed Practical Nurses:	21

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

H. C. WATKINS MEMORIAL HOSPITAL, INC.

605 South Archusa Avenue
Quitman, Mississippi 39355
Area Code 601-776-6925

September 21, 1988

Comments Re: Hospital Mortality Information

The public should exercise caution in the interpretation of mortality data released by the Department of Health Care Financing Administration. Such data should not reflect adversely upon the quality of care provided by the H. C. Watkins Memorial Hospital or any other hospital. Various factors must be considered, i.e., age, sex, complications, severity of illness, prior hospitalizations, date of discharge and economic factors.

Medicare Provider Number: 250089214

HANCOCK GENERAL HOSP-

149 DRINKWATER RD
BAY SAINT LOUIS, MS 39520

Medicare Hospital Provider Number: 250045

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	613	12	10 - 16	544	14	9 - 16
Cancer	13	46	18 - 69	7	71	17 - 78
Cerebrovascular Accidents	14	29	11 - 58	13	31	7 - 57
Gastrointestinal Catastrophes	5	80	18 - 85	5	40	10 - 81
Infectious Disease	5	20	7 - 75	9	22	13 - 67
Metabolic/Electrolyte Disorders	7	14	6 - 65	10	20	10 - 62
Pulmonary Disease	43	28	12 - 41	36	28	11 - 42
Renal Failure	4	75	10 - 87	6	50	16 - 88
Severe Acute Heart Disease	29	48	26 - 62	29	66	25 - 60
Severe Chronic Heart Disease	46	28	13 - 39	22	14	8 - 40
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	47	0	1 - 12	36	3	0 - 33
Gynecologic Disease	2	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	76	1	1 - 10	70	1	1 - 11
Musculoskeletal/Skin Conditions	61	0	0 - 10	40	7	0 - 58
Neuropsychiatric/Sensory Disease	10	10	0 -100	23	0	0 - 56
Urologic Disease	25	0	0 - 53	18	6	0 - 96

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	60
Occupancy Rate (%):	60
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	23
Percent of Physicians Who Are Board Certified Specialists:	57
Interns and Residents:	0
Registered Nurses:	45
Licensed Practical Nurses:	8

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HARDY WILSON MEMORIAL HOSP

233 MAGNOLIA
HAZLEHURST, MS 39083

Medicare Hospital Provider Number: 250039

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	355	13	10 - 18	419	15	11 - 18
Cancer	4	75	15 - 89	10	80	23 - 74
Cerebrovascular Accidents	12	8	7 - 47	18	44	11 - 55
Gastrointestinal Catastrophes	1	0	1 - 97	2	50	4 - 93
Infectious Disease	7	57	13 - 77	12	42	13 - 66
Metabolic/Electrolyte Disorders	20	20	11 - 50	14	21	8 - 54
Pulmonary Disease	40	15	15 - 40	39	15	16 - 42
Renal Failure	1	100	3 - 98	5	40	7 - 82
Severe Acute Heart Disease	9	56	13 - 71	11	45	17 - 70
Severe Chronic Heart Disease	26	50	11 - 49	29	34	12 - 47
Severe Trauma	1	100	1 - 97	0	-	-
Gastrointestinal Disease	25	0	0 - 36	22	0	1 - 26
Gynecologic Disease	1	0	0 -100	0	-	-
Low-Risk Heart Disease	40	0	1 - 13	43	2	1 - 17
Musculoskeletal/Skin Conditions	25	4	0 - 65	48	2	0 - 20
Neuropsychiatric/Sensory Disease	18	6	0 - 98	15	7	0 - 99
Urologic Disease	14	0	0 -100	9	11	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	49
Occupancy Rate (%):	49
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	12
Percent of Physicians Who Are Board Certified Specialists:	42
Interns and Residents:	0
Registered Nurses:	17
Licensed Practical Nurses:	14

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HILLCREST HOSP

PO BOX 770
CALHOUN CITY, MS 38916

Medicare Hospital Provider Number: 250112

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	266	11	10 - 19	215	15	10 - 20
Cancer	3	67	9 - 89	3	67	13 - 94
Cerebrovascular Accidents	11	18	9 - 57	7	43	8 - 72
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	7	29	14 - 75	3	0	7 - 80
Metabolic/Electrolyte Disorders	24	17	12 - 48	12	8	4 - 49
Pulmonary Disease	24	25	12 - 48	27	37	16 - 52
Renal Failure	0	-	-	1	100	2 - 97
Severe Acute Heart Disease	6	50	11 - 78	7	57	16 - 79
Severe Chronic Heart Disease	20	20	11 - 47	7	0	3 - 53
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	23	0	0 - 45	20	0	0 - 59
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	27	4	0 - 34	22	0	0 - 52
Musculoskeletal/Skin Conditions	13	0	0 - 92	15	0	0 - 91
Neuropsychiatric/Sensory Disease	11	0	0 -100	2	50	0 -100
Urologic Disease	10	0	0 - 85	5	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	30
Occupancy Rate (%):	43
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	5
Percent of Physicians Who Are Board Certified Specialists:	20
Interns and Residents:	0
Registered Nurses:	11
Licensed Practical Nurses:	6

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HINDS GENERAL HOSP

1850 CHADWICK DR
JACKSON, MS 39204

Medicare Hospital Provider Number: 250072

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,786	13	10 - 14	2,748	11	9 - 13
Cancer	108	45	33 - 56	81	46	30 - 56
Cerebrovascular Accidents	96	27	18 - 37	106	25	18 - 37
Gastrointestinal Catastrophes	19	26	14 - 57	17	35	15 - 61
Infectious Disease	41	41	21 - 54	44	43	19 - 52
Metabolic/Electrolyte Disorders	57	23	13 - 41	41	12	17 - 45
Pulmonary Disease	154	30	20 - 37	134	16	14 - 30
Renal Failure	13	46	13 - 73	14	50	19 - 79
Severe Acute Heart Disease	106	42	29 - 50	87	46	27 - 50
Severe Chronic Heart Disease	114	31	15 - 33	105	24	17 - 35
Severe Trauma	4	75	4 - 80	3	33	2 - 87
Gastrointestinal Disease	259	3	1 - 7	295	1	1 - 5
Gynecologic Disease	30	0	0 - 95	29	0	0 -100
Low-Risk Heart Disease	300	3	2 - 6	298	5	2 - 7
Musculoskeletal/Skin Conditions	205	1	1 - 6	222	3	1 - 7
Neuropsychiatric/Sensory Disease	93	3	0 - 16	88	2	0 - 12
Urologic Disease	109	1	0 - 8	135	2	0 - 10

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	288
Occupancy Rate (%):	75
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	145
Percent of Physicians Who Are Board Certified Specialists:	74
Interns and Residents:	0
Registered Nurses:	248
Licensed Practical Nurses:	110

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

HOUSTON COMMUNITY HOSP

HIGHWAY 8 E
HOUSTON, MS 38851

Medicare Hospital Provider Number: 250017

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	387	8	8 - 14	411	11	8 - 15
Cancer	4	75	20 - 95	5	40	14 - 85
Cerebrovascular Accidents	9	33	10 - 67	10	50	10 - 66
Gastrointestinal Catastrophes	1	0	0 - 99	1	0	0 - 98
Infectious Disease	2	0	5 - 89	3	67	13 - 94
Metabolic/Electrolyte Disorders	30	13	12 - 43	14	0	4 - 37
Pulmonary Disease	22	23	12 - 49	28	36	11 - 47
Renal Failure	0	-	-	1	100	3 - 99
Severe Acute Heart Disease	6	17	14 - 74	14	71	27 - 72
Severe Chronic Heart Disease	7	43	5 - 71	10	10	4 - 52
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	45	4	0 - 41	44	0	0 - 14
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	68	1	1 - 11	59	0	1 - 9
Musculoskeletal/Skin Conditions	33	0	0 - 43	35	3	0 - 58
Neuropsychiatric/Sensory Disease	12	0	0 - 60	9	0	0 - 99
Urologic Disease	12	0	0 - 99	9	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	84
Occupancy Rate (%):	29
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	8
Percent of Physicians Who Are Board Certified Specialists:	25
Interns and Residents:	0
Registered Nurses:	28
Licensed Practical Nurses:	14

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HUMANA HOSP NATCHEZ

129 JEFF DAVIS BLVD BOX 1203
NATCHEZ, MS 39120

Medicare Hospital Provider Number: 250122

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	406	10	7 - 14	443	10	7 - 14
Cancer	9	78	26 - 80	12	58	19 - 71
Cerebrovascular Accidents	9	11	10 - 58	14	14	11 - 51
Gastrointestinal Catastrophes	6	67	14 - 80	2	100	1 - 89
Infectious Disease	1	0	0 - 98	2	50	1 - 94
Metabolic/Electrolyte Disorders	17	24	14 - 57	12	8	3 - 49
Pulmonary Disease	24	17	6 - 40	38	26	12 - 42
Renal Failure	0	-	-	3	33	7 - 90
Severe Acute Heart Disease	14	57	13 - 62	12	42	16 - 68
Severe Chronic Heart Disease	7	14	3 - 64	11	0	6 - 39
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	50	0	0 - 12	35	3	0 - 38
Gynecologic Disease	2	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	40	2	0 - 24	27	4	0 - 31
Musculoskeletal/Skin Conditions	51	0	0 - 19	55	0	0 - 13
Neuropsychiatric/Sensory Disease	27	0	0 - 28	39	0	0 - 38
Urologic Disease	16	6	0 - 95	21	10	0 - 98

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	101
Occupancy Rate (%):	32
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	75
Percent of Physicians Who Are Board Certified Specialists:	61
Interns and Residents:	0
Registered Nurses:	39
Licensed Practical Nurses:	6

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

[illegible]
Jefferson Davis Boulevard
Natchez, Mississippi
39120
Telephone [illegible]

Humana Hospital
Natchez

20 October 1988

Mrs. Sandra Kappert
Health Standards and Quality Bureau, HCFA
2-D-2 Meadows East Building
6325 Security Blvd.
Baltimore, Maryland 21207

Dear Mrs. Kappert:

I appreciate the opportunity to comment on the Medicare patient mortality data and the hospital profile characteristics to be published by the Health Care Financing Administration. The information does serve as a part of this hospital's and the health care industry's ongoing quality assurance programs.

HCFA's efforts to provide our hospital specifically, and the health care industry in general, with quality assurance information should be commended.

I also appreciate your public position that even though attempts have been made to further refine the manipulation of the data, this information is limited and cannot be used as a complete measure of quality.

I am very proud of our quality assurance program that is in place at Humana Hospital-Natchez; it is well-established and includes routine review by the Joint Commission on Accreditation of Healthcare Organizations and other outside review agencies, ongoing utilization review, quality assurance, in-hospital morbidity and mortality reviews and analyses of all inpatient mortality.

The raw numbers that you have provided in this release further assist us in confirming our records and in analyzing Medicare patient mortality.

The medical records department, quality assurance staff, utilization management staff and medical staff have reviewed the statistics provided by HCFA. Since some of the deaths attributed to patients in our hospital occurred after discharge, we have been unable to completely validate the data. By category, the number of patients in many cases is too limited to provide a valid statistical analysis. Additionally, predicted ranges have been developed in such a complex and unverifiable way, it would be useless to consider them "standard" ranges.

We stand ready to aid our community in reviewing this very complex data and explaining how this type of information is used to affirm and improve the quality of health care services.

Sincerely,

Donald L. Kannady
Executive Director

:mem

HUMPHREYS CO MEMORIAL HOSP SWING BED

500 C C RD
BELZONI, MS 39038

Medicare Hospital Provider Number: 250098

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	200	14	9 - 19	205	13	9 - 18
Cancer	4	100	21 - 84	6	67	18 - 84
Cerebrovascular Accidents	14	36	7 - 56	11	64	7 - 61
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	2	0	11 - 96
Metabolic/Electrolyte Disorders	8	38	5 - 68	2	50	1 - 93
Pulmonary Disease	18	33	10 - 53	24	13	9 - 40
Renal Failure	1	0	0 - 99	0	-	-
Severe Acute Heart Disease	2	50	4 - 92	5	20	8 - 75
Severe Chronic Heart Disease	20	20	11 - 47	14	14	8 - 49
Severe Trauma	0	-	-	1	0	0 - 98
Gastrointestinal Disease	12	0	0 - 98	14	7	0 - 95
Gynecologic Disease	1	0	0 -100	0	-	-
Low-Risk Heart Disease	28	4	0 - 51	46	7	0 - 26
Musculoskeletal/Skin Conditions	17	6	0 - 82	16	0	0 - 42
Neuropsychiatric/Sensory Disease	11	9	0 - 97	6	0	0 -100
Urologic Disease	4	0	0 -100	3	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 32
Occupancy Rate (%): 44
Ownership/Control: Local Government

STAFFING

Total Number of Physicians: 3
Percent of Physicians Who Are Board Certified Specialists: 33
Interns and Residents: (not available)
Registered Nurses: (not available)
Licensed Practical Nurses: (not available)

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

ITAWAMBA CO HOSP-

907 OAK ST
FULTON, MS 38843

Medicare Hospital Provider Number: 250086

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	252	16	8 - 18	304	17	10 - 19
Cancer	9	67	14 - 71	6	50	15 - 82
Cerebrovascular Accidents	12	50	7 - 61	16	50	11 - 57
Gastrointestinal Catastrophes	0	-	-	4	75	8 - 82
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	6	50	5 - 75	7	14	3 - 65
Pulmonary Disease	54	24	14 - 39	48	29	17 - 45
Renal Failure	2	0	3 - 89	0	-	-
Severe Acute Heart Disease	1	100	3 - 98	9	33	15 - 72
Severe Chronic Heart Disease	7	43	3 - 71	10	50	6 - 64
Severe Trauma	0	-	-	1	0	0 - 99
Gastrointestinal Disease	23	0	0 - 63	33	6	0 - 47
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	27	7	0 - 56	28	0	0 - 28
Musculoskeletal/Skin Conditions	17	0	0 - 99	21	0	0 - 65
Neuropsychiatric/Sensory Disease	12	0	0 -100	15	20	0 - 66
Urologic Disease	6	0	0 - 99	4	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	49
Occupancy Rate (%):	41
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	5
Percent of Physicians Who Are Board Certified Specialists:	20
Interns and Residents:	0
Registered Nurses:	14
Licensed Practical Nurses:	13

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

JASPER HEALTH CARE INSTITUTION

PO BOX 527
BAY SPRINGS, MS 39422

Medicare Hospital Provider Number: 250018

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	129	11	9 - 20	194	18	9 - 20
Cancer	4	75	18 - 92	5	100	33 - 90
Cerebrovascular Accidents	6	33	7 - 74	8	50	10 - 71
Gastrointestinal Catastrophes	0	-	-	2	50	1 - 93
Infectious Disease	0	-	-	2	50	4 - 92
Metabolic/Electrolyte Disorders	1	0	3 - 99	2	0	0 - 95
Pulmonary Disease	23	13	10 - 42	31	23	16 - 47
Renal Failure	1	100	0 - 98	0	-	-
Severe Acute Heart Disease	1	100	3 - 99	4	25	9 - 82
Severe Chronic Heart Disease	9	0	11 - 48	8	50	5 - 68
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	6	0	0 -100	8	13	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	21	0	0 - 30	27	0	1 - 21
Musculoskeletal/Skin Conditions	13	0	0 -100	21	5	0 - 98
Neuropsychiatric/Sensory Disease	1	0	0 -100	7	0	0 - 95
Urologic Disease	8	0	0 - 96	14	14	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	116
Occupancy Rate (%):	61
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	4
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	9
Licensed Practical Nurses:	11

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

JEFF ANDERSON REGIONAL MEDICAL CTR

2124 14 ST
MERIDIAN, MS 39301

Medicare Hospital Provider Number: 250104

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,752	12	11 - 15	1,633	10	10 - 14
Cancer	72	31	33 - 58	77	38	39 - 64
Cerebrovascular Accidents	42	29	17 - 45	35	40	14 - 46
Gastrointestinal Catastrophes	7	14	10 - 67	3	33	6 - 88
Infectious Disease	14	36	20 - 69	12	58	23 - 76
Metabolic/Electrolyte Disorders	21	5	12 - 42	15	20	8 - 53
Pulmonary Disease	143	28	17 - 35	85	19	21 - 40
Renal Failure	1	100	2 - 97	4	25	8 - 85
Severe Acute Heart Disease	68	37	26 - 50	53	43	26 - 54
Severe Chronic Heart Disease	78	31	15 - 36	61	23	12 - 34
Severe Trauma	1	100	0 - 99	3	0	2 - 80
Gastrointestinal Disease	173	2	2 - 7	192	2	1 - 6
Gynecologic Disease	18	0	0 -100	28	0	0 -100
Low-Risk Heart Disease	235	7	2 - 9	180	3	1 - 8
Musculoskeletal/Skin Conditions	146	1	1 - 6	174	1	1 - 6
Neuropsychiatric/Sensory Disease	56	4	0 - 24	49	2	0 - 31
Urologic Disease	56	7	0 - 37	69	4	0 - 25

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	250
Occupancy Rate (%):	56
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	90
Percent of Physicians Who Are Board Certified Specialists:	87
Interns and Residents:	0
Registered Nurses:	157
Licensed Practical Nurses:	66

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

JEFFERSON CO HOSP & SWING BED

809 S MAIN
FAYETTE, MS 39069

Medicare Hospital Provider Number: 250060

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	163	12	5 - 16	218	7	6 - 14
Cancer	5	100	23 - 79	3	100	14 - 86
Cerebrovascular Accidents	1	0	0 - 97	5	0	8 - 64
Gastrointestinal Catastrophes	1	100	3 - 98	0	-	-
Infectious Disease	0	-	-	1	0	0 - 99
Metabolic/Electrolyte Disorders	9	0	4 - 47	15	20	7 - 52
Pulmonary Disease	3	33	0 - 91	5	20	6 - 74
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	1	100	1 - 97	1	0	0 - 97
Severe Chronic Heart Disease	10	20	6 - 58	12	8	11 - 50
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	17	0	0 - 36	13	0	0 - 47
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	12	8	0 - 99	27	0	0 - 34
Musculoskeletal/Skin Conditions	16	6	0 - 71	18	6	0 - 77
Neuropsychiatric/Sensory Disease	5	0	0 -100	7	0	0 -100
Urologic Disease	2	0	0 -100	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	30
Occupancy Rate (%):	50
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	4
Percent of Physicians Who Are Board Certified Specialists:	25
Interns and Residents:	0
Registered Nurses:	9
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

JEFFERSON DAVIS CO HOSP-

BERRY ST DRAWER P
PRENTISS, MS 39474

Medicare Hospital Provider Number: 250037

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	170	14	9 - 20	157	18	8 - 21
Cancer	1	100	0 - 98	4	50	11 - 86
Cerebrovascular Accidents	5	40	2 - 78	5	40	7 - 78
Gastrointestinal Catastrophes	1	0	1 - 97	0	-	-
Infectious Disease	2	0	8 - 92	0	-	-
Metabolic/Electrolyte Disorders	7	57	13 - 77	4	25	1 - 84
Pulmonary Disease	22	18	12 - 47	30	23	11 - 43
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	2	100	8 - 92	3	67	7 - 88
Severe Chronic Heart Disease	15	27	12 - 56	17	35	8 - 53
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	22	5	0 - 64	15	0	0 - 91
Gynecologic Disease	1	0	0 -100	0	-	-
Low-Risk Heart Disease	22	5	0 - 53	18	6	0 - 90
Musculoskeletal/Skin Conditions	15	0	0 -100	4	0	0 -100
Neuropsychiatric/Sensory Disease	3	0	0 -100	3	0	0 -100
Urologic Disease	5	0	0 -100	4	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	101
Occupancy Rate (%):	67
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	4
Percent of Physicians Who Are Board Certified Specialists:	25
Interns and Residents:	0
Registered Nurses:	10
Licensed Practical Nurses:	10

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

JEFFERSON DAVIS MEMORIAL HOSP-

PO BOX 1488
NATCHEZ, MS 39120

Medicare Hospital Provider Number: 250084

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,227	13	9 - 14	1,295	13	9 - 14
Cancer	23	43	22 - 63	22	50	24 - 66
Cerebrovascular Accidents	50	44	14 - 42	56	36	15 - 41
Gastrointestinal Catastrophes	6	50	7 - 76	7	43	6 - 72
Infectious Disease	19	47	16 - 60	21	52	20 - 63
Metabolic/Electrolyte Disorders	28	14	13 - 45	38	29	10 - 44
Pulmonary Disease	59	20	14 - 37	89	15	15 - 33
Renal Failure	6	50	12 - 83	7	57	9 - 78
Severe Acute Heart Disease	65	32	25 - 50	56	43	25 - 52
Severe Chronic Heart Disease	49	18	11 - 34	46	17	12 - 35
Severe Trauma	3	100	6 - 80	1	0	0 - 98
Gastrointestinal Disease	131	5	1 - 11	140	4	1 - 11
Gynecologic Disease	4	0	0 -100	12	0	0 -100
Low-Risk Heart Disease	138	3	1 - 9	161	4	1 - 9
Musculoskeletal/Skin Conditions	137	3	1 - 9	112	1	0 - 8
Neuropsychiatric/Sensory Disease	34	9	0 - 64	40	2	0 - 86
Urologic Disease	51	2	0 - 45	65	5	1 - 18

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	205
Occupancy Rate (%):	45
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	74
Percent of Physicians Who Are Board Certified Specialists:	66
Interns and Residents:	0
Registered Nurses:	138
Licensed Practical Nurses:	17

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

JONES CO COMMUNITY HOSP-

1220 JEFFERSON ST BOX 607
LAUREL, MS 39440

Medicare Hospital Provider Number: 250058

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,649	10	10 - 14	2,558	10	9 - 14
Cancer	57	54	36 - 65	69	54	36 - 63
Cerebrovascular Accidents	92	33	19 - 40	81	38	21 - 43
Gastrointestinal Catastrophes	13	31	17 - 67	16	19	15 - 57
Infectious Disease	33	33	22 - 56	15	33	19 - 67
Metabolic/Electrolyte Disorders	34	18	16 - 47	36	22	11 - 43
Pulmonary Disease	137	20	19 - 36	138	23	17 - 34
Renal Failure	5	100	24 - 87	5	80	13 - 84
Severe Acute Heart Disease	90	48	27 - 49	97	37	29 - 50
Severe Chronic Heart Disease	171	25	17 - 32	129	19	16 - 32
Severe Trauma	4	25	3 - 80	2	50	1 - 92
Gastrointestinal Disease	318	2	2 - 6	260	0	1 - 5
Gynecologic Disease	19	0	0 -100	16	0	0 -100
Low-Risk Heart Disease	412	2	2 - 6	388	2	2 - 6
Musculoskeletal/Skin Conditions	240	2	1 - 6	227	2	1 - 6
Neuropsychiatric/Sensory Disease	43	0	1 - 13	42	5	1 - 23
Urologic Disease	123	0	1 - 6	131	2	0 - 9

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	255
Occupancy Rate (%):	58
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	61
Percent of Physicians Who Are Board Certified Specialists:	74
Interns and Residents:	0
Registered Nurses:	115
Licensed Practical Nurses:	125

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

KEMPER COMMUNITY HOSP & SWING BED

PO BOX 246
DEKALB, MS 39328

Medicare Hospital Provider Number: 250076

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	129	20	10 - 25	141	18	8 - 21
Cancer	1	100	3 - 99	3	67	13 - 95
Cerebrovascular Accidents	8	63	8 - 69	8	50	5 - 68
Gastrointestinal Catastrophes	1	100	3 - 99	3	100	17 - 89
Infectious Disease	3	0	15 - 88	1	0	2 - 97
Metabolic/Electrolyte Disorders	2	0	1 - 89	5	0	2 - 67
Pulmonary Disease	20	30	11 - 52	13	46	10 - 61
Renal Failure	2	100	11 - 97	1	0	1 - 97
Severe Acute Heart Disease	1	100	2 - 97	1	0	1 - 97
Severe Chronic Heart Disease	7	57	9 - 72	12	42	5 - 59
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	6	17	0 - 94	13	0	0 - 93
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	9	0	0 - 93	15	7	0 - 72
Musculoskeletal/Skin Conditions	9	0	0 - 99	8	0	0 -100
Neuropsychiatric/Sensory Disease	5	0	0 -100	4	0	0 -100
Urologic Disease	4	0	1 - 74	9	0	0 - 74

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	35
Occupancy Rate (%):	31
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	3
Percent of Physicians Who Are Board Certified Specialists:	33
Interns and Residents:	0
Registered Nurses:	12
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

KILMICHAEL HOSP & SWING BED

LAMAR ST
KILMICHAEL, MS 39747

Medicare Hospital Provider Number: 250051

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	211	11	6 - 15	255	12	8 - 17
Cancer	2	100	7 - 90	3	33	10 - 91
Cerebrovascular Accidents	10	50	12 - 68	10	50	10 - 66
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	2	100	3 - 88
Metabolic/Electrolyte Disorders	1	0	0 -100	3	0	0 - 88
Pulmonary Disease	10	30	5 - 61	13	31	7 - 57
Renal Failure	0	-	-	4	25	13 - 90
Severe Acute Heart Disease	2	100	8 - 92	8	100	20 - 60
Severe Chronic Heart Disease	7	14	5 - 63	11	18	9 - 57
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	26	0	0 - 46	19	0	1 - 30
Gynecologic Disease	2	0	0 -100	0	-	-
Low-Risk Heart Disease	36	0	2 - 14	33	3	1 - 24
Musculoskeletal/Skin Conditions	20	0	0 - 52	26	0	0 - 24
Neuropsychiatric/Sensory Disease	8	0	0 -100	13	0	0 - 75
Urologic Disease	13	8	0 - 97	22	5	1 - 33

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	19
Occupancy Rate (%):	63
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	2
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	6
Licensed Practical Nurses:	6

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

KINGS DAUGHTERS HOSP

HIGHWAY 51 N BOX 984
BROOKHAVEN, MS 39601

Medicare Hospital Provider Number: 250057

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	961	18	11 - 16	960	15	10 - 16
Cancer	16	63	26 - 72	16	63	28 - 74
Cerebrovascular Accidents	41	44	13 - 44	35	46	13 - 47
Gastrointestinal Catastrophes	12	50	12 - 66	9	44	13 - 72
Infectious Disease	29	34	19 - 56	22	27	16 - 56
Metabolic/Electrolyte Disorders	28	18	13 - 47	40	30	13 - 46
Pulmonary Disease	66	32	14 - 38	69	29	14 - 38
Renal Failure	1	100	0 - 99	2	50	7 - 96
Severe Acute Heart Disease	48	54	27 - 56	42	52	22 - 53
Severe Chronic Heart Disease	72	32	16 - 39	76	22	13 - 33
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	112	2	1 - 9	107	1	1 - 8
Gynecologic Disease	8	0	0 -100	11	0	0 -100
Low-Risk Heart Disease	118	8	1 - 14	104	3	1 - 10
Musculoskeletal/Skin Conditions	63	5	0 - 38	61	7	0 - 23
Neuropsychiatric/Sensory Disease	27	0	0 - 22	30	0	0 - 31
Urologic Disease	19	5	0 - 86	31	6	0 - 77

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	135
Occupancy Rate (%):	40
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	28
Percent of Physicians Who Are Board Certified Specialists:	54
Interns and Residents:	0
Registered Nurses:	44
Licensed Practical Nurses:	32

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

KINGS DAUGHTERS HOSP

823 GRAND AVENUE
YAZOO CITY, MS 39194

Medicare Hospital Provider Number: 250119

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	621	11	9 - 15	563	12	9 - 15
Cancer	9	78	24 - 78	12	58	27 - 79
Cerebrovascular Accidents	23	26	12 - 48	24	38	13 - 51
Gastrointestinal Catastrophes	1	100	2 - 97	2	50	6 - 94
Infectious Disease	2	50	1 - 93	3	33	1 - 87
Metabolic/Electrolyte Disorders	18	28	6 - 51	18	22	6 - 49
Pulmonary Disease	72	17	15 - 36	41	22	15 - 43
Renal Failure	1	0	3 - 99	1	100	3 - 99
Severe Acute Heart Disease	14	50	21 - 69	10	50	14 - 70
Severe Chronic Heart Disease	20	20	10 - 47	36	25	13 - 42
Severe Trauma	0	-	-	1	0	0 - 99
Gastrointestinal Disease	75	0	1 - 8	65	5	0 - 25
Gynecologic Disease	1	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	70	3	1 - 13	51	0	1 - 10
Musculoskeletal/Skin Conditions	62	2	1 - 12	66	2	0 - 14
Neuropsychiatric/Sensory Disease	29	0	1 - 18	16	6	0 - 99
Urologic Disease	9	11	0 -100	9	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 88
Occupancy Rate (%): 33
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 14
Percent of Physicians Who Are Board Certified Specialists: 50
Interns and Residents: 0
Registered Nurses: 19
Licensed Practical Nurses: 28

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

KINGS DAUGHTERS HOSP

339 ARNOLD AVE
GREENVILLE, MS 38701

Medicare Hospital Provider Number: 250120

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	626	8	7 - 12	747	7	6 - 11
Cancer	13	54	15 - 66	21	19	18 - 55
Cerebrovascular Accidents	13	31	9 - 58	12	17	11 - 55
Gastrointestinal Catastrophes	1	0	0 - 99	3	100	8 - 81
Infectious Disease	6	50	11 - 78	5	60	11 - 82
Metabolic/Electrolyte Disorders	1	100	0 -100	6	0	7 - 60
Pulmonary Disease	24	33	12 - 50	29	14	10 - 39
Renal Failure	1	0	3 - 98	0	-	-
Severe Acute Heart Disease	18	44	20 - 64	13	38	19 - 69
Severe Chronic Heart Disease	19	5	14 - 41	13	23	9 - 56
Severe Trauma	1	100	2 - 97	0	-	-
Gastrointestinal Disease	64	0	1 - 9	65	2	0 - 14
Gynecologic Disease	16	0	0 -100	17	6	0 -100
Low-Risk Heart Disease	51	2	0 - 17	60	3	1 - 17
Musculoskeletal/Skin Conditions	39	0	0 - 32	67	1	0 - 16
Neuropsychiatric/Sensory Disease	29	0	0 - 65	36	0	0 - 24
Urologic Disease	53	2	0 - 47	65	2	0 - 15

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	137
Occupancy Rate (%):	41
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	53
Percent of Physicians Who Are Board Certified Specialists:	60
Interns and Residents:	0
Registered Nurses:	72
Licensed Practical Nurses:	46

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

KUHN MEMORIAL STATE HOSP

1422 OPENWOOD ST
VICKSBURG, MS 39180

Medicare Hospital Provider Number: 250114

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	45	11	3 - 25	79	9	5 - 19
Cancer	1	100	0 - 98	0	-	-
Cerebrovascular Accidents	0	-	-	3	67	3 - 86
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	1	100	3 - 98
Metabolic/Electrolyte Disorders	1	100	2 - 97	2	0	1 - 89
Pulmonary Disease	6	33	4 - 73	6	0	3 - 58
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	1	0	1 - 97	4	25	10 - 83
Severe Chronic Heart Disease	2	0	0 - 95	3	0	2 - 80
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	6	0	0 - 99	7	14	0 -100
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	6	0	0 -100	7	0	0 -100
Musculoskeletal/Skin Conditions	4	0	0 -100	5	20	0 -100
Neuropsychiatric/Sensory Disease	3	0	0 -100	4	0	0 -100
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	84
Occupancy Rate (%):	23
Ownership/Control:	State Government

STAFFING

Total Number of Physicians:	18
Percent of Physicians Who Are Board Certified Specialists:	33
Interns and Residents:	0
Registered Nurses:	16
Licensed Practical Nurses:	26

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

LAIRD HOSP

108 HIGHWAY 15 BYPASS N
UNION, MS 39365

Medicare Hospital Provider Number: 250033

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	482	10	8 - 14	453	8	8 - 14
Cancer	8	88	31 - 82	9	78	31 - 85
Cerebrovascular Accidents	9	22	9 - 63	15	33	11 - 57
Gastrointestinal Catastrophes	0	-	-	2	100	3 - 88
Infectious Disease	3	33	5 - 86	3	100	13 - 86
Metabolic/Electrolyte Disorders	15	27	9 - 56	11	0	8 - 44
Pulmonary Disease	32	19	11 - 40	25	4	9 - 32
Renal Failure	1	100	1 - 97	0	-	-
Severe Acute Heart Disease	11	64	23 - 76	8	63	20 - 79
Severe Chronic Heart Disease	24	25	10 - 45	27	4	15 - 35
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	66	2	1 - 12	63	0	1 - 9
Gynecologic Disease	4	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	98	3	2 - 11	91	0	1 - 6
Musculoskeletal/Skin Conditions	41	0	0 - 19	52	2	0 - 25
Neuropsychiatric/Sensory Disease	15	0	0 - 98	9	0	0 -100
Urologic Disease	4	0	0 -100	9	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 45
Occupancy Rate (%): 67
Ownership/Control: Private, For Profit

STAFFING

Total Number of Physicians: 11
Percent of Physicians Who Are Board Certified Specialists: 27
Interns and Residents: 0
Registered Nurses: 52
Licensed Practical Nurses: 15

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

LAWRENCE CO HOSP

HIGHWAY 84 E
MONTICELLO, MS 39654

Medicare Hospital Provider Number: 250063

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	396	13	11 - 18	426	11	10 - 17
Cancer	14	57	25 - 74	12	58	28 - 80
Cerebrovascular Accidents	12	25	9 - 58	15	20	11 - 53
Gastrointestinal Catastrophes	3	33	4 - 86	2	50	3 - 92
Infectious Disease	11	27	14 - 66	5	20	21 - 88
Metabolic/Electrolyte Disorders	4	25	9 - 83	4	0	2 - 72
Pulmonary Disease	40	30	16 - 46	40	32	15 - 46
Renal Failure	1	100	3 - 99	1	100	3 - 99
Severe Acute Heart Disease	8	50	14 - 74	7	43	13 - 76
Severe Chronic Heart Disease	28	25	9 - 42	32	19	11 - 40
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	38	3	1 - 21	37	8	0 - 53
Gynecologic Disease	1	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	56	0	2 - 10	69	0	1 - 8
Musculoskeletal/Skin Conditions	35	0	1 - 15	40	2	0 - 29
Neuropsychiatric/Sensory Disease	10	0	0 - 94	13	0	0 - 96
Urologic Disease	7	0	0 -100	6	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	53
Occupancy Rate (%):	43
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	6
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	10
Licensed Practical Nurses:	14

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

LEAKE CO MEMORIAL HOSP

300 ELLIS ST
CARTHAGE, MS 39051

Medicare Hospital Provider Number: 250030

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	230	21	13 - 24	243	19	11 - 21
Cancer	9	67	30 - 87	7	57	22 - 86
Cerebrovascular Accidents	12	17	10 - 55	10	20	10 - 61
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	2	0	1 - 90	2	0	1 - 91
Metabolic/Electrolyte Disorders	15	33	13 - 61	6	33	3 - 73
Pulmonary Disease	21	48	11 - 53	23	43	18 - 58
Renal Failure	4	25	10 - 86	5	80	17 - 89
Severe Acute Heart Disease	11	55	11 - 65	4	50	11 - 86
Severe Chronic Heart Disease	26	46	13 - 50	18	44	13 - 57
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	18	0	0 - 67	25	0	0 - 26
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	27	0	0 - 28	20	0	0 - 43
Musculoskeletal/Skin Conditions	15	0	0 - 38	21	5	0 - 76
Neuropsychiatric/Sensory Disease	5	0	0 -100	8	13	0 -100
Urologic Disease	3	0	0 -100	8	13	0 - 98

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	72
Occupancy Rate (%):	71
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	8
Percent of Physicians Who Are Board Certified Specialists:	13
Interns and Residents:	0
Registered Nurses:	11
Licensed Practical Nurses:	3

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

LUCIUS OLEN CROSBY MEMORIAL HOSP-

801 GOODYEAR BLVD
PICAYUNE, MS 39466

Medicare Hospital Provider Number: 250117

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	682	16	11 - 17	710	14	11 - 17
Cancer	12	83	27 - 72	14	71	28 - 75
Cerebrovascular Accidents	15	33	6 - 54	13	46	13 - 63
Gastrointestinal Catastrophes	5	40	11 - 82	5	80	4 - 74
Infectious Disease	13	77	18 - 64	14	36	21 - 70
Metabolic/Electrolyte Disorders	30	3	8 - 33	31	6	8 - 35
Pulmonary Disease	63	33	18 - 43	67	27	18 - 42
Renal Failure	3	67	12 - 95	4	75	11 - 87
Severe Acute Heart Disease	28	29	24 - 58	37	76	28 - 57
Severe Chronic Heart Disease	51	27	14 - 39	42	24	12 - 39
Severe Trauma	5	60	6 - 79	1	100	0 - 99
Gastrointestinal Disease	50	0	0 - 13	64	0	0 - 10
Gynecologic Disease	1	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	96	3	1 - 11	91	0	2 - 7
Musculoskeletal/Skin Conditions	53	0	1 - 10	59	0	0 - 12
Neuropsychiatric/Sensory Disease	8	0	0 - 98	15	0	1 - 37
Urologic Disease	35	3	0 - 68	31	0	1 - 19

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	95
Occupancy Rate (%):	45
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	18
Percent of Physicians Who Are Board Certified Specialists:	72
Interns and Residents:	0
Registered Nurses:	31
Licensed Practical Nurses:	32

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

LUMBERTON CITIZEN'S HOSP

PO BOX 193
LUMBERTON, MS 39455

Medicare Hospital Provider Number: 250140

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	129	13	8 - 21	81	6	5 - 17
Cancer	1	0	0 - 99	1	100	2 -100
Cerebrovascular Accidents	5	40	7 - 78	1	100	1 - 97
Gastrointestinal Catastrophes	0	-	-	1	100	2 - 97
Infectious Disease	1	0	0 - 99	0	-	-
Metabolic/Electrolyte Disorders	3	0	0 - 87	1	0	0 -100
Pulmonary Disease	15	20	11 - 53	6	0	2 - 61
Renal Failure	2	100	10 - 95	0	-	-
Severe Acute Heart Disease	2	100	9 - 93	2	0	2 - 89
Severe Chronic Heart Disease	7	29	4 - 68	0	-	-
Severe Trauma	1	0	0 - 97	0	-	-
Gastrointestinal Disease	15	7	2 - 40	4	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	22	9	0 - 47	14	0	0 - 81
Musculoskeletal/Skin Conditions	9	0	0 -100	6	17	0 -100
Neuropsychiatric/Sensory Disease	6	17	0 -100	7	0	0 -100
Urologic Disease	2	0	0 -100	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1988

Total Beds (#):	23
Ownership/Control:	Local Government

STAFFING

Interns and Residents:	0
Registered Nurses:	7
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	Yes

MADISON GENERAL HOSP

PO BOX 281
CANTON, MS 39046

Medicare Hospital Provider Number: 250038

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	328	13	9 - 17	405	17	10 - 18
Cancer	5	60	19 - 89	10	70	25 - 79
Cerebrovascular Accidents	16	31	9 - 54	21	52	14 - 56
Gastrointestinal Catastrophes	1	0	1 - 97	0	-	-
Infectious Disease	7	57	8 - 73	4	50	6 - 83
Metabolic/Electrolyte Disorders	28	11	9 - 40	16	38	13 - 61
Pulmonary Disease	20	30	11 - 51	23	39	11 - 51
Renal Failure	2	50	1 - 93	3	0	6 - 82
Severe Acute Heart Disease	6	50	13 - 80	9	56	21 - 79
Severe Chronic Heart Disease	20	30	10 - 50	27	30	9 - 44
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	21	5	0 - 56	41	5	0 - 28
Gynecologic Disease	1	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	25	4	0 - 58	30	3	0 - 34
Musculoskeletal/Skin Conditions	27	0	0 - 65	30	3	0 - 62
Neuropsychiatric/Sensory Disease	18	0	0 - 90	16	0	0 - 79
Urologic Disease	3	0	0 -100	6	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	127
Occupancy Rate (%):	64
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	23
Percent of Physicians Who Are Board Certified Specialists:	78
Interns and Residents:	0
Registered Nurses:	13
Licensed Practical Nurses:	22

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MAGEE GENERAL HOSP

300 SE 3 ST
MAGEE, MS 39111

Medicare Hospital Provider Number: 250124

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	517	10	7 - 13	538	10	7 - 14
Cancer	5	40	12 - 83	8	63	22 - 82
Cerebrovascular Accidents	8	88	14 - 65	14	43	10 - 59
Gastrointestinal Catastrophes	3	67	6 - 87	2	50	0 - 98
Infectious Disease	6	50	16 - 83	8	50	10 - 72
Metabolic/Electrolyte Disorders	8	13	5 - 60	13	0	8 - 40
Pulmonary Disease	19	32	10 - 52	22	36	11 - 52
Renal Failure	2	50	1 - 93	3	67	8 - 90
Severe Acute Heart Disease	7	57	13 - 76	10	50	19 - 75
Severe Chronic Heart Disease	26	35	14 - 50	21	19	12 - 47
Severe Trauma	1	0	1 - 97	1	0	2 - 97
Gastrointestinal Disease	65	2	1 - 13	57	0	1 - 9
Gynecologic Disease	2	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	90	1	1 - 8	95	1	1 - 8
Musculoskeletal/Skin Conditions	47	2	0 - 32	59	0	0 - 11
Neuropsychiatric/Sensory Disease	15	0	0 - 40	11	0	0 - 99
Urologic Disease	10	10	0 -100	9	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	44
Occupancy Rate (%):	80
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	9
Percent of Physicians Who Are Board Certified Specialists:	89
Interns and Residents:	0
Registered Nurses:	14
Licensed Practical Nurses:	13

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MAGNOLIA HOSP
ALCORN DRIVE
CORINTH, MS 38834

Medicare Hospital Provider Number: 250009

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,242	12	9 - 14	1,276	10	9 - 14
Cancer	32	75	32 - 65	22	45	27 - 69
Cerebrovascular Accidents	30	23	15 - 47	42	29	16 - 44
Gastrointestinal Catastrophes	6	50	11 - 79	8	50	19 - 80
Infectious Disease	21	43	22 - 64	16	38	15 - 62
Metabolic/Electrolyte Disorders	24	25	15 - 53	27	15	9 - 42
Pulmonary Disease	76	21	17 - 38	93	18	16 - 36
Renal Failure	1	0	0 - 99	3	33	11 - 94
Severe Acute Heart Disease	40	35	24 - 54	44	32	27 - 56
Severe Chronic Heart Disease	76	21	14 - 34	68	19	14 - 34
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	140	2	1 - 8	128	3	1 - 9
Gynecologic Disease	10	0	0 -100	9	0	0 -100
Low-Risk Heart Disease	195	3	1 - 7	187	2	1 - 7
Musculoskeletal/Skin Conditions	120	7	1 - 14	117	1	1 - 7
Neuropsychiatric/Sensory Disease	20	10	0 - 99	27	4	0 - 41
Urologic Disease	29	0	0 - 54	15	0	0 - 77

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	114
Occupancy Rate (%):	64
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	27
Percent of Physicians Who Are Board Certified Specialists:	56
Interns and Residents:	0
Registered Nurses:	100
Licensed Practical Nurses:	37

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MARION CO GENERAL HOSP-

1560 SUMRALL RD BOX 630
COLUMBIA, MS 39429

Medicare Hospital Provider Number: 250085

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	702	12	9 - 15	799	13	10 - 15
Cancer	11	82	27 - 75	14	50	32 - 81
Cerebrovascular Accidents	21	19	17 - 52	31	39	17 - 51
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	7	86	15 - 72	9	78	26 - 80
Metabolic/Electrolyte Disorders	21	10	10 - 44	20	10	7 - 42
Pulmonary Disease	57	23	15 - 39	60	28	16 - 41
Renal Failure	2	100	9 - 94	1	0	2 - 98
Severe Acute Heart Disease	19	47	24 - 67	24	58	23 - 61
Severe Chronic Heart Disease	38	37	11 - 43	42	24	13 - 40
Severe Trauma	2	0	2 - 88	2	0	0 - 95
Gastrointestinal Disease	86	2	1 - 11	84	2	1 - 11
Gynecologic Disease	6	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	112	1	2 - 7	120	2	2 - 9
Musculoskeletal/Skin Conditions	48	0	0 - 14	57	2	0 - 18
Neuropsychiatric/Sensory Disease	12	8	0 -100	15	0	0 - 98
Urologic Disease	20	10	0 - 99	17	6	0 - 92

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	90
Occupancy Rate (%):	40
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	19
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	44
Licensed Practical Nurses:	31

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MARSHALL CO HOSP

1430 E SALEM AV
HOLLY SPRINGS, MS 38635

Medicare Hospital Provider Number: 250012

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	270	15	9 - 18	362	10	8 - 15
Cancer	5	60	19 - 90	8	88	24 - 75
Cerebrovascular Accidents	8	38	7 - 68	11	27	12 - 63
Gastrointestinal Catastrophes	2	100	7 - 91	4	25	3 - 80
Infectious Disease	2	50	3 - 92	1	100	2 - 98
Metabolic/Electrolyte Disorders	2	50	2 - 92	10	30	10 - 65
Pulmonary Disease	31	19	15 - 45	14	29	12 - 59
Renal Failure	1	0	2 - 97	0	-	-
Severe Acute Heart Disease	0	-	-	2	50	3 - 92
Severe Chronic Heart Disease	27	26	8 - 42	19	0	10 - 31
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	28	4	0 - 67	53	2	0 - 16
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	27	11	0 - 64	38	0	1 - 14
Musculoskeletal/Skin Conditions	24	4	0 - 70	22	0	3 - 21
Neuropsychiatric/Sensory Disease	2	0	0 -100	8	0	0 - 97
Urologic Disease	3	33	0 -100	6	17	0 - 99

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	40
Occupancy Rate (%):	35
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	6
Percent of Physicians Who Are Board Certified Specialists:	0
Interns and Residents:	0
Registered Nurses:	13
Licensed Practical Nurses:	5

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MATTY HERSEE HOSP

8TH STREET RD
MERIDIAN, MS 39301

Medicare Hospital Provider Number: 250121

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	91	13	4 - 20	88	15	4 - 21
Cancer	0	-	-	2	50	4 - 92
Cerebrovascular Accidents	7	29	3 - 69	5	20	1 - 78
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	1	100	2 - 97	0	-	-
Metabolic/Electrolyte Disorders	9	0	4 - 47	1	0	0 -100
Pulmonary Disease	7	29	6 - 69	7	29	3 - 69
Renal Failure	0	-	-	2	50	3 - 93
Severe Acute Heart Disease	2	50	1 - 92	3	67	3 - 86
Severe Chronic Heart Disease	5	40	0 - 87	2	0	0 - 92
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	6	0	0 -100	6	0	0 -100
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	7	14	0 -100	8	0	0 -100
Musculoskeletal/Skin Conditions	6	0	0 -100	8	0	0 - 98
Neuropsychiatric/Sensory Disease	2	0	0 -100	7	0	0 -100
Urologic Disease	1	0	0 -100	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	66
Occupancy Rate (%):	42
Ownership/Control:	State Government

STAFFING

Total Number of Physicians:	7
Percent of Physicians Who Are Board Certified Specialists:	0
Interns and Residents:	0
Registered Nurses:	21
Licensed Practical Nurses:	28

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MEMORIAL HOSP AT GULFPORT

4500 13TH ST
GULFPORT, MS 39501

Medicare Hospital Provider Number: 250019

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,063	11	9 - 13	1,948	11	9 - 13
Cancer	76	53	32 - 58	72	44	30 - 57
Cerebrovascular Accidents	52	23	13 - 37	50	14	16 - 37
Gastrointestinal Catastrophes	14	50	11 - 63	17	24	19 - 62
Infectious Disease	14	29	16 - 63	24	29	16 - 55
Metabolic/Electrolyte Disorders	28	11	10 - 41	28	14	8 - 41
Pulmonary Disease	84	20	14 - 35	81	22	13 - 34
Renal Failure	13	23	13 - 70	10	30	8 - 71
Severe Acute Heart Disease	86	38	26 - 48	62	48	24 - 51
Severe Chronic Heart Disease	80	31	13 - 35	91	20	13 - 31
Severe Trauma	2	0	2 - 88	1	0	0 - 99
Gastrointestinal Disease	169	1	1 - 6	151	5	1 - 10
Gynecologic Disease	15	0	0 -100	15	0	0 -100
Low-Risk Heart Disease	271	3	2 - 6	231	3	1 - 7
Musculoskeletal/Skin Conditions	168	1	1 - 5	153	2	0 - 9
Neuropsychiatric/Sensory Disease	131	2	1 - 8	144	1	0 - 8
Urologic Disease	95	1	0 - 14	111	2	0 - 10

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 302
Occupancy Rate (%): 64
Ownership/Control: Local Government

STAFFING

Total Number of Physicians: 160
Percent of Physicians Who Are Board Certified Specialists: 76
Interns and Residents: 0
Registered Nurses: 264
Licensed Practical Nurses: 71

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

MERCY REGIONAL MEDICAL CENTER

100 MCAULEY DR
VICKSBURG, MS 39180

Medicare Hospital Provider Number: 250032

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	909	13	9 - 14	955	14	10 - 16
Cancer	25	60	30 - 69	34	35	23 - 57
Cerebrovascular Accidents	31	45	17 - 51	38	34	17 - 47
Gastrointestinal Catastrophes	4	25	6 - 80	5	60	6 - 78
Infectious Disease	10	10	17 - 63	9	44	14 - 73
Metabolic/Electrolyte Disorders	10	0	6 - 45	9	22	12 - 67
Pulmonary Disease	37	27	16 - 46	56	25	17 - 42
Renal Failure	3	100	10 - 85	4	75	13 - 89
Severe Acute Heart Disease	29	41	20 - 56	35	46	25 - 58
Severe Chronic Heart Disease	45	31	12 - 40	40	27	9 - 38
Severe Trauma	0	-	-	2	0	3 - 88
Gastrointestinal Disease	89	2	1 - 10	88	6	1 - 15
Gynecologic Disease	15	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	83	5	1 - 14	67	4	0 - 18
Musculoskeletal/Skin Conditions	91	5	0 - 22	84	4	0 - 14
Neuropsychiatric/Sensory Disease	18	0	0 - 42	24	8	0 - 99
Urologic Disease	33	3	0 - 52	52	2	0 - 29

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 225
Occupancy Rate (%): 42
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 38
Percent of Physicians Who Are Board Certified Specialists: 61
Interns and Residents: 0
Registered Nurses: 78
Licensed Practical Nurses: 51

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

MERCY
REGIONAL MEDICAL CENTER

James S. Kaigler
Administrator and
Chief Executive Officer

October 21, 1988

Medicare Provider Number
25-0032

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D Meadows' East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Please refer to the Medicare Hospital Mortality Information Data for Mercy Regional Medical Center, 100 McAuley Drive, Vicksburg, MS.

The following corrections are provided for the hospital characteristics:

Number of beds - 157, Occupancy rate - 45%. Percent of physicians who are Board Certified specialists - 60%.

Each death that occurs in Mercy Regional Medical Center is reviewed by a committee of physicians as part of the hospital's ongoing quality assurance program. Mortality is only one of several patient care issues closely studied by members of our medical staff. The mortality rate was within the predicted range in 15 of 16 diagnostic categories with the lone exception being renal failure. During the normal quality assurance review process, each of the three deaths, which occurred in the hospital, were reviewed. Findings indicated that the care given in all three cases was appropriate and death resulted from multiple medical complications.

Sincerely,

James S. Kaigler
Administrator and
Chief Executive Officer

JSK/cd

MERIDIAN REGIONAL HOSP

HIGHWAY 39 N
MERIDIAN, MS 39301

Medicare Hospital Provider Number: 250014

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	300	9	7 - 14	391	12	7 - 15
Cancer	6	50	10 - 77	12	50	16 - 69
Cerebrovascular Accidents	13	23	10 - 56	14	29	7 - 55
Gastrointestinal Catastrophes	3	67	4 - 86	0	-	-
Infectious Disease	3	67	5 - 86	4	75	5 - 80
Metabolic/Electrolyte Disorders	4	0	2 - 74	4	25	1 - 85
Pulmonary Disease	29	10	9 - 36	30	10	10 - 36
Renal Failure	4	0	5 - 75	14	64	20 - 78
Severe Acute Heart Disease	7	57	12 - 75	6	67	12 - 77
Severe Chronic Heart Disease	9	0	8 - 46	7	29	4 - 68
Severe Trauma	0	-	-	3	67	7 - 88
Gastrointestinal Disease	23	0	0 - 42	30	3	0 - 34
Gynecologic Disease	1	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	34	0	1 - 17	38	3	0 - 23
Musculoskeletal/Skin Conditions	23	0	0 - 82	40	5	0 - 72
Neuropsychiatric/Sensory Disease	34	3	0 - 53	35	0	0 - 54
Urologic Disease	18	0	0 - 60	24	0	0 - 29

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1986

Total Beds (#):	154
Ownership/Control:	Private, For Profit

STAFFING

Interns and Residents:	0
Registered Nurses:	30
Licensed Practical Nurses:	13

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

PHYSICIANS
HOSPITAL

October 20, 1988

Dr. William L. Roper, Administrator
Health Care Financing Administration
Health Standards and Quality Bureau
6325 Security Boulevard
Baltimore, MD 21207

Dear Dr. Roper:

I appreciate the opportunity to respond to the 1987 mortality data for Physicians Hospital prior to this data being released to the public.

As part of our Quality Assurance program each death that occurs within our facility is reviewed as part of the on-going review process conducted by our medical staff. This function is an integral part of the monitoring of quality care provided at our hospital.

The mortality data reported for our hospital has been carefully reviewed by members of our staff, and while the overall percentage and percentage within individual categories fall within the predicted range, we are aware that the results of treatment are determined by the severity of the patients' illness and their general health status.

I would also like to comment on the staffing ratios that you have reported. Although our hospital is a 154 bed facility, for operational purposes we staff for 98 beds. Of these 98 beds, 60 are psychiatric beds that require a different staffing ratio than medical/surgical beds. With these factors not being taken into consideration, the data relating to nurses per bed are greatly distorted.

Again, thank you for the opportunity to present this response.

Sincerely,

Kenneth Posey

Kenneth Posey
Administrator

KP/dml

cc: Lou Brunnet, Marketing
Republic Health Corp.

METHODIST HOSP

5001 W HARDY ST BOX 1331
HATTIESBURG, MS 39401

Medicare Hospital Provider Number: 250094

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,213	8	7 - 12	2,280	9	7 - 11
Cancer	58	47	29 - 58	58	38	30 - 58
Cerebrovascular Accidents	75	15	17 - 35	82	29	16 - 38
Gastrointestinal Catastrophes	14	36	18 - 68	15	20	14 - 58
Infectious Disease	22	41	16 - 58	18	33	14 - 59
Metabolic/Electrolyte Disorders	22	9	7 - 40	22	27	9 - 50
Pulmonary Disease	91	22	15 - 35	86	22	13 - 34
Renal Failure	6	50	12 - 83	3	67	12 - 95
Severe Acute Heart Disease	62	53	26 - 52	43	37	24 - 54
Severe Chronic Heart Disease	62	27	12 - 36	69	13	13 - 31
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	237	0	2 - 5	205	1	1 - 6
Gynecologic Disease	22	0	0 -100	26	0	0 -100
Low-Risk Heart Disease	223	1	2 - 6	265	3	1 - 7
Musculoskeletal/Skin Conditions	337	1	1 - 5	318	1	0 - 5
Neuropsychiatric/Sensory Disease	94	2	1 - 11	121	2	0 - 9
Urologic Disease	105	0	0 - 7	164	1	0 - 9

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	201
Occupancy Rate (%):	69
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	178
Percent of Physicians Who Are Board Certified Specialists:	64
Interns and Residents:	0
Registered Nurses:	113
Licensed Practical Nurses:	54

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

METHODIST HOSP OF MIDDLE MS

PO DRAWER 641
LEXINGTON, MS 39095

Medicare Hospital Provider Number: 250083

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	435	10	9 - 15	482	6	8 - 14
Cancer	6	83	19 - 79	4	25	11 - 84
Cerebrovascular Accidents	23	30	13 - 51	19	16	12 - 48
Gastrointestinal Catastrophes	1	0	1 - 97	3	33	2 - 87
Infectious Disease	4	75	8 - 82	0	-	-
Metabolic/Electrolyte Disorders	29	17	14 - 47	31	19	11 - 44
Pulmonary Disease	21	19	11 - 47	21	14	10 - 44
Renal Failure	1	100	2 -100	1	0	3 - 98
Severe Acute Heart Disease	9	44	13 - 71	7	29	8 - 70
Severe Chronic Heart Disease	28	4	12 - 31	45	16	16 - 39
Severe Trauma	1	0	0 - 99	0	-	-
Gastrointestinal Disease	40	0	0 - 26	50	4	0 - 21
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	65	3	1 - 14	51	0	1 - 11
Musculoskeletal/Skin Conditions	44	2	0 - 41	49	2	0 - 23
Neuropsychiatric/Sensory Disease	14	0	0 -100	17	0	0 - 54
Urologic Disease	5	20	0 -100	13	0	0 - 97

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	84
Occupancy Rate (%):	45
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	5
Percent of Physicians Who Are Board Certified Specialists:	20
Interns and Residents:	0
Registered Nurses:	19
Licensed Practical Nurses:	19

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

**METHODIST HOSPITAL
OF MIDDLE MISSISSIPPI**

#1 Bowling Green Street
Lexington, Mississippi 39095
601-834-1321

October 20, 1988

Health Standards & Quality Bureau, HCFA
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Ms. Kappert:

I would like to take this opportunity to bring your attention to some additional data relative to your mortality study for Methodist Hospital of Middle Mississippi (ID: 250083) especially as it pertains to the diagnostic category of cancer. Five of the six cases in this category for the year 1987 actually died in the hospital it is true. But it is also true that documentation in the medical record indicates clearly that two of these patients were admitted for palliative care. Two more were admitted for terminal cancer of the lung, and one of these had only been discharged from another hospital four days earlier after undergoing surgery and chemotherapy.

Additionally under diagnostic category [redacted] the sole patient admitted during the entire year 1987 so diagnosed actually died in the hospital with CVA as identified on the death certificate. This patient had in fact experienced a previous CVA prior to this admission.

I hope that you will incorporate these findings into your final report since they certainly are relevant to your study. If we can provide you with additional information or if we can assist you in any other way, please don't hesitate to contact us at any time in the future.

Sincerely,

Frank A. Jones

Frank A. Jones, Administrator
Methodist Hospital of Middle Mississippi, Inc.
(ID: 250083)

FAJ:tb

METHODIST HOSP OF STONE CO

RT 1 BOX 5
WIGGINS, MS 39577

Medicare Hospital Provider Number: 250046

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	270	13	10 - 19	288	15	12 - 21
Cancer	5	100	30 - 86	5	60	20 - 92
Cerebrovascular Accidents	5	20	4 - 74	6	83	17 - 77
Gastrointestinal Catastrophes	0	-	-	3	100	11 - 84
Infectious Disease	10	60	20 - 76	5	20	6 - 75
Metabolic/Electrolyte Disorders	12	33	8 - 61	8	13	2 - 63
Pulmonary Disease	32	41	17 - 52	32	16	13 - 42
Renal Failure	1	100	3 - 99	3	100	18 - 97
Severe Acute Heart Disease	3	33	5 - 87	13	38	22 - 71
Severe Chronic Heart Disease	18	11	11 - 45	21	29	11 - 50
Severe Trauma	0	-	-	2	0	0 - 95
Gastrointestinal Disease	26	0	0 - 42	30	0	1 - 18
Gynecologic Disease	4	0	0 -100	0	-	-
Low-Risk Heart Disease	34	0	1 - 16	33	0	0 - 18
Musculoskeletal/Skin Conditions	22	5	0 - 89	26	8	1 - 34
Neuropsychiatric/Sensory Disease	12	0	0 -100	7	0	0 -100
Urologic Disease	5	0	0 -100	3	0	0 - 95

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	49
Occupancy Rate (%):	43
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	4
Percent of Physicians Who Are Board Certified Specialists:	0
Interns and Residents:	0
Registered Nurses:	21
Licensed Practical Nurses:	10

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MISSISSIPPI BAPTIST MEDICAL CENTER

1225 N STATE ST
JACKSON, MS 39201

Medicare Hospital Provider Number: 250102

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	5,090	10	10 - 14	4,943	10	10 - 14
Cancer	261	34	35 - 53	261	29	35 - 53
Cerebrovascular Accidents	189	23	19 - 33	169	28	19 - 34
Gastrointestinal Catastrophes	34	50	20 - 56	37	35	20 - 55
Infectious Disease	63	37	25 - 53	52	46	27 - 58
Metabolic/Electrolyte Disorders	97	21	17 - 41	87	23	13 - 38
Pulmonary Disease	144	21	17 - 34	108	28	21 - 41
Renal Failure	23	35	14 - 66	15	33	15 - 73
Severe Acute Heart Disease	131	32	26 - 45	147	31	28 - 46
Severe Chronic Heart Disease	157	25	16 - 31	130	28	15 - 32
Severe Trauma	23	39	12 - 55	12	33	10 - 64
Gastrointestinal Disease	400	3	2 - 6	421	3	2 - 6
Gynecologic Disease	52	0	0 -100	46	0	0 - 99
Low-Risk Heart Disease	737	3	2 - 5	634	3	2 - 5
Musculoskeletal/Skin Conditions	517	2	1 - 5	482	2	1 - 5
Neuropsychiatric/Sensory Disease	183	4	0 - 10	187	1	1 - 6
Urologic Disease	166	1	1 - 6	160	1	1 - 7

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 616
Occupancy Rate (%): 74
Ownership/Control: Church

STAFFING

Total Number of Physicians: 328
Percent of Physicians Who Are Board Certified Specialists: 75
Interns and Residents: 1
Registered Nurses: 421
Licensed Practical Nurses: 146

SPECIALTY SERVICES

Shock/Trauma Unit: Yes
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: No

MONTFORT JONES MEMORIAL HOSP-

HIGHWAY 12 W
KOSCIUSKO, MS 39090

Medicare Hospital Provider Number: 250059

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	583	14	12 - 18	627	12	11 - 17
Cancer	8	50	19 - 80	13	69	33 - 81
Cerebrovascular Accidents	23	30	13 - 51	30	30	17 - 50
Gastrointestinal Catastrophes	1	100	0 -100	4	50	5 - 82
Infectious Disease	11	55	21 - 75	11	9	14 - 57
Metabolic/Electrolyte Disorders	33	18	11 - 43	39	10	9 - 36
Pulmonary Disease	62	29	16 - 41	60	35	16 - 43
Renal Failure	3	100	12 - 87	0	-	-
Severe Acute Heart Disease	32	53	26 - 61	30	27	24 - 57
Severe Chronic Heart Disease	23	26	13 - 49	21	10	13 - 42
Severe Trauma	1	0	0 - 99	0	-	-
Gastrointestinal Disease	27	0	0 - 23	55	2	0 - 15
Gynecologic Disease	0	-	-	5	0	0 -100
Low-Risk Heart Disease	73	3	1 - 12	67	0	2 - 8
Musculoskeletal/Skin Conditions	59	0	1 - 9	64	2	0 - 15
Neuropsychiatric/Sensory Disease	27	0	0 - 23	28	7	0 - 69
Urologic Disease	13	0	0 - 60	19	11	0 - 86

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	78
Occupancy Rate (%):	40
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	17
Percent of Physicians Who Are Board Certified Specialists:	29
Interns and Residents:	0
Registered Nurses:	24
Licensed Practical Nurses:	44

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

NESHOBA CO GENERAL HOSP-

HIGHWAY 19 S
PHILADELPHIA, MS 39350

Medicare Hospital Provider Number: 250043

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	342	10	8 - 15	401	10	7 - 14
Cancer	3	100	15 - 99	10	100	45 - 80
Cerebrovascular Accidents	8	25	14 - 71	13	54	10 - 61
Gastrointestinal Catastrophes	1	0	0 - 98	0	-	-
Infectious Disease	1	0	0 - 99	0	-	-
Metabolic/Electrolyte Disorders	16	6	7 - 43	15	7	3 - 43
Pulmonary Disease	27	33	15 - 51	24	21	10 - 45
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	6	50	8 - 76	7	43	12 - 75
Severe Chronic Heart Disease	14	36	10 - 58	14	21	10 - 54
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	48	0	0 - 13	47	0	1 - 12
Gynecologic Disease	2	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	44	0	0 - 14	68	4	1 - 17
Musculoskeletal/Skin Conditions	32	0	0 - 27	42	0	0 - 14
Neuropsychiatric/Sensory Disease	12	0	0 -100	9	11	0 - 87
Urologic Disease	10	0	0 - 90	9	0	0 - 94

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	162
Occupancy Rate (%):	64
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	14
Percent of Physicians Who Are Board Certified Specialists:	21
Interns and Residents:	0
Registered Nurses:	27
Licensed Practical Nurses:	10

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

Neshoba County General Hospital
Philadelphia, Mississippi

Provider Number: 25-0043

The hospital's comments consisted primarily of annotations to the patient specific information and/or the hospital characteristics generated by the Health Care Financing Administration and provided to the hospital. We did not publish this annotated information.

NORTH MISSISSIPPI MEDICAL CENTER

830 S GLOSTER
TUPELO, MS 38801

Medicare Hospital Provider Number: 250004

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	4,866	11	10 - 13	4,809	10	9 - 13
Cancer	190	37	32 - 51	173	35	31 - 51
Cerebrovascular Accidents	159	19	18 - 33	166	25	19 - 34
Gastrointestinal Catastrophes	37	49	21 - 57	38	26	18 - 51
Infectious Disease	57	37	29 - 58	64	42	27 - 56
Metabolic/Electrolyte Disorders	66	35	17 - 46	51	20	13 - 41
Pulmonary Disease	215	27	19 - 35	168	24	18 - 35
Renal Failure	11	36	12 - 74	16	50	10 - 69
Severe Acute Heart Disease	154	43	27 - 46	172	34	30 - 47
Severe Chronic Heart Disease	158	21	15 - 30	136	29	17 - 34
Severe Trauma	8	25	6 - 67	6	0	10 - 63
Gastrointestinal Disease	474	2	2 - 5	502	2	1 - 5
Gynecologic Disease	53	0	0 -100	62	2	0 - 97
Low-Risk Heart Disease	572	3	2 - 6	573	2	2 - 5
Musculoskeletal/Skin Conditions	495	3	1 - 5	444	2	1 - 5
Neuropsychiatric/Sensory Disease	124	2	0 - 10	137	4	1 - 11
Urologic Disease	217	0	1 - 5	291	1	1 - 5

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	563
Occupancy Rate (%):	77
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	125
Percent of Physicians Who Are Board Certified Specialists:	65
Interns and Residents:	0
Registered Nurses:	449
Licensed Practical Nurses:	163

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

NORTH MISSISSIPPI
MEDICAL CENTER

Provider #25004

October 20, 1988

Dr. William L. Roper
Administrator
Health Care Financing Administration
Washington, D.C. 20201

Dear Dr. Roper:

This letter contains North Mississippi Medical Center's comments on HCFA's 1987 Medicare Hospital Mortality Information.

After review by the Administration and representatives of the Medical Staff, NMMC offers the following comments:

1. An indepth review of the data revealed that the information used in the analysis was accurate and did in fact represent admissions to North Mississippi Medical Center and deaths occurring at NMMC. NMMC did not verify deaths occurring within 30 days of admission, but outside NMMC.

2. There are errors in the information presented in the hospital characteristics' section. NMMC does provide hospice care and has a coronary care unit. It does not offer an organ transplant service or a shock/trauma or burn unit.

3. NMMC concurs that this "information by itself is not a complete measure of the quality of care at an individual hospital". Like many other hospitals, NMMC has an ongoing multifaceted quality assessment program that routinely assesses care rendered at the institution and addresses problems identified in the process of delivering care.

4. NMMC supports HCFA's ongoing efforts to refine its methodology in establishing predicted mortality rates and making appropriate adjustments based on a reliable severity of illness measurement system.

In closing, NMMC is pleased that its overall mortality rate and the mortality rates in each of the sixteen categories fall within the predicted ranges and commends HCFA on its efforts to measure the quality of health care services provided Medicare beneficaries.

Sincerely,

John D. Hicks
President

1b

NORTH PANOLA REGIONAL HOSP-

I 55 AT HWY 315 BOX 160
SARDIS, MS 38666

Medicare Hospital Provider Number: 250113

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	265	13	9 - 18	240	17	11 - 21
Cancer	4	25	16 - 89	5	80	15 - 81
Cerebrovascular Accidents	11	27	7 - 59	13	46	21 - 71
Gastrointestinal Catastrophes	1	0	0 - 99	0	-	-
Infectious Disease	3	33	6 - 87	1	100	3 - 99
Metabolic/Electrolyte Disorders	6	33	4 - 73	8	38	3 - 69
Pulmonary Disease	18	6	12 - 41	24	33	16 - 54
Renal Failure	1	100	2 - 97	3	67	6 - 89
Severe Acute Heart Disease	5	40	9 - 80	6	67	12 - 77
Severe Chronic Heart Disease	29	38	10 - 45	17	18	10 - 49
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	33	3	0 - 33	23	9	0 - 45
Gynecologic Disease	2	0	0 - 97	1	0	0 -100
Low-Risk Heart Disease	28	0	0 - 35	20	10	0 - 98
Musculoskeletal/Skin Conditions	27	4	0 - 64	7	0	0 - 83
Neuropsychiatric/Sensory Disease	1	0	0 -100	5	0	0 -100
Urologic Disease	4	0	0 -100	7	14	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	114
Occupancy Rate (%):	72
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	7
Percent of Physicians Who Are Board Certified Specialists:	43
Interns and Residents:	0
Registered Nurses:	12
Licensed Practical Nurses:	6

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

NORTH SUNFLOWER CO HOSP-

840 N OAK AVE
RULEVILLE, MS 38771

Medicare Hospital Provider Number: 250071

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	258	16	13 - 23	288	15	13 - 22
Cancer	5	60	21 - 92	13	62	22 - 72
Cerebrovascular Accidents	17	47	13 - 58	22	36	16 - 55
Gastrointestinal Catastrophes	0	-	-	1	100	3 - 99
Infectious Disease	1	0	0 - 98	5	0	9 - 66
Metabolic/Electrolyte Disorders	4	50	5 - 82	0	-	-
Pulmonary Disease	18	22	8 - 49	11	18	4 - 55
Renal Failure	0	-	-	1	100	3 - 99
Severe Acute Heart Disease	35	51	32 - 65	39	26	26 - 55
Severe Chronic Heart Disease	15	20	9 - 51	15	20	8 - 50
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	16	0	0 - 61	28	4	0 - 41
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	40	0	1 - 13	46	0	1 - 12
Musculoskeletal/Skin Conditions	14	0	0 - 99	19	0	0 - 43
Neuropsychiatric/Sensory Disease	4	0	0 -100	2	0	0 -100
Urologic Disease	0	-	-	3	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	72
Occupancy Rate (%):	29
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	5
Percent of Physicians Who Are Board Certified Specialists:	0
Interns and Residents:	0
Registered Nurses:	12
Licensed Practical Nurses:	21

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

NORTHWEST MISS REGIONAL MED CENTER

HOSPITAL DRIVE
CLARKSDALE , MS 38614

Medicare Hospital Provider Number: 250042

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,699	13	9 - 14	1,747	12	9 - 14
Cancer	53	58	31 - 60	47	40	28 - 59
Cerebrovascular Accidents	61	46	19 - 44	72	40	20 - 43
Gastrointestinal Catastrophes	11	9	8 - 53	19	21	14 - 55
Infectious Disease	12	17	20 - 66	12	33	19 - 70
Metabolic/Electrolyte Disorders	45	20	16 - 45	32	34	12 - 48
Pulmonary Disease	71	30	18 - 42	106	25	18 - 38
Renal Failure	12	58	19 - 79	7	43	20 - 89
Severe Acute Heart Disease	38	50	26 - 58	41	46	26 - 57
Severe Chronic Heart Disease	66	26	13 - 36	87	23	15 - 35
Severe Trauma	1	0	1 - 97	0	-	-
Gastrointestinal Disease	182	3	1 - 8	183	2	1 - 7
Gynecologic Disease	13	8	0 -100	16	0	0 -100
Low-Risk Heart Disease	212	4	2 - 8	197	6	1 - 9
Musculoskeletal/Skin Conditions	190	2	1 - 6	191	3	1 - 7
Neuropsychiatric/Sensory Disease	72	1	1 - 12	48	0	0 - 14
Urologic Disease	60	2	0 - 16	64	2	0 - 14

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	194
Occupancy Rate (%):	66
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	44
Percent of Physicians Who Are Board Certified Specialists:	48
Interns and Residents:	0
Registered Nurses:	102
Licensed Practical Nurses:	95

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

NOXUBEE GENERAL HOSP

606 N JEFFERSON ST
MACON, MS 39341

Medicare Hospital Provider Number: 250109

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	305	15	10 - 19	305	12	9 - 18
Cancer	6	33	20 - 86	8	75	21 - 78
Cerebrovascular Accidents	20	35	11 - 53	12	50	8 - 61
Gastrointestinal Catastrophes	0	-	-	1	100	3 - 99
Infectious Disease	8	38	11 - 72	7	0	11 - 58
Metabolic/Electrolyte Disorders	1	100	3 - 98	9	44	7 - 67
Pulmonary Disease	17	24	8 - 50	18	6	11 - 40
Renal Failure	1	100	3 - 98	0	-	-
Severe Acute Heart Disease	13	31	19 - 67	18	22	17 - 56
Severe Chronic Heart Disease	9	22	7 - 61	11	9	8 - 50
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	36	14	1 - 37	34	0	1 - 16
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	33	3	1 - 25	21	19	0 - 64
Musculoskeletal/Skin Conditions	22	5	0 - 95	29	7	0 - 42
Neuropsychiatric/Sensory Disease	17	12	0 - 94	13	0	0 - 55
Urologic Disease	3	0	0 -100	10	10	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 49
Occupancy Rate (%): 45
Ownership/Control: Local Government

STAFFING

Total Number of Physicians: 3
Percent of Physicians Who Are Board Certified Specialists: 33
Interns and Residents: 0
Registered Nurses: 13
Licensed Practical Nurses: 7

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

Noxubee General Hospital
Macon, Mississippi

Provider Number: 25-0109

The hospital's comments consisted primarily of annotations to the patient specific information and/or the hospital characteristics generated by the Health Care Financing Administration and provided to the hospital. We did not publish this annotated information.

OKITBBEHA CO HOSP

HOSPITAL RD
STARKVILLE, MS 39759

Medicare Hospital Provider Number: 250050

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	724	13	9 - 15	723	15	8 - 15
Cancer	26	58	23 - 61	32	63	25 - 60
Cerebrovascular Accidents	29	17	14 - 43	28	46	11 - 48
Gastrointestinal Catastrophes	3	33	3 - 86	2	100	5 - 89
Infectious Disease	6	33	8 - 75	9	44	8 - 68
Metabolic/Electrolyte Disorders	11	9	4 - 51	12	25	6 - 58
Pulmonary Disease	41	17	14 - 40	35	31	11 - 43
Renal Failure	5	20	14 - 85	2	100	6 - 91
Severe Acute Heart Disease	35	43	23 - 57	28	54	21 - 58
Severe Chronic Heart Disease	27	41	7 - 45	20	30	10 - 50
Severe Trauma	1	100	0 - 98	1	0	1 - 97
Gastrointestinal Disease	72	4	1 - 16	67	3	0 - 16
Gynecologic Disease	13	0	0 -100	12	0	0 -100
Low-Risk Heart Disease	80	5	1 - 15	67	3	1 - 14
Musculoskeletal/Skin Conditions	46	2	0 - 24	57	0	0 - 11
Neuropsychiatric/Sensory Disease	21	10	0 - 99	15	13	0 - 99
Urologic Disease	38	3	0 - 37	35	3	0 - 54

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	96
Occupancy Rate (%):	48
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	25
Percent of Physicians Who Are Board Certified Specialists:	80
Interns and Residents:	0
Registered Nurses:	77
Licensed Practical Nurses:	20

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

OKOLONA COMMUNITY HOSP

PO BOX 420
OKOLONA, MS 38860

Medicare Hospital Provider Number: 250021

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	138	17	11 - 24	140	10	9 - 20
Cancer	3	33	8 - 89	2	50	5 -100
Cerebrovascular Accidents	10	50	10 - 66	6	33	6 - 73
Gastrointestinal Catastrophes	1	0	0 - 98	0	-	-
Infectious Disease	1	100	2 - 97	1	0	0 - 99
Metabolic/Electrolyte Disorders	8	0	8 - 52	6	33	1 - 77
Pulmonary Disease	15	27	11 - 56	21	14	11 - 45
Renal Failure	0	-	-	3	33	11 - 94
Severe Acute Heart Disease	2	50	1 - 93	3	0	8 - 81
Severe Chronic Heart Disease	13	38	10 - 60	4	25	3 - 80
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	6	0	0 -100	7	0	0 - 80
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	13	0	0 - 85	28	0	0 - 21
Musculoskeletal/Skin Conditions	9	0	0 - 99	6	0	0 - 99
Neuropsychiatric/Sensory Disease	4	0	0 -100	3	0	0 - 97
Urologic Disease	2	0	0 -100	9	0	0 - 98

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 76
Occupancy Rate (%): 84
Ownership/Control: Local Government

STAFFING

Total Number of Physicians: 2
Percent of Physicians Who Are Board Certified Specialists: 100
Interns and Residents: 0
Registered Nurses: 6
Licensed Practical Nurses: 6

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

OXFORD LAFAYETTE CO HOSP

HWY 7 S BOX 946
OXFORD, MS 38655

Medicare Hospital Provider Number: 250034

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,808	11	8 - 12	1,403	11	8 - 13
Cancer	47	51	23 - 54	35	66	32 - 65
Cerebrovascular Accidents	26	50	13 - 51	34	24	13 - 43
Gastrointestinal Catastrophes	9	56	11 - 71	9	33	12 - 70
Infectious Disease	12	58	14 - 67	8	50	14 - 75
Metabolic/Electrolyte Disorders	16	19	7 - 50	20	40	11 - 55
Pulmonary Disease	57	23	14 - 39	61	20	14 - 37
Renal Failure	7	43	10 - 79	4	50	12 - 90
Severe Acute Heart Disease	61	33	26 - 52	37	46	23 - 56
Severe Chronic Heart Disease	77	30	16 - 38	52	27	17 - 42
Severe Trauma	2	100	4 - 89	1	100	0 - 98
Gastrointestinal Disease	146	2	2 - 8	105	2	1 - 9
Gynecologic Disease	15	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	347	5	1 - 7	187	7	1 - 10
Musculoskeletal/Skin Conditions	246	2	1 - 6	177	1	0 - 7
Neuropsychiatric/Sensory Disease	62	2	0 - 23	72	3	0 - 27
Urologic Disease	70	4	0 - 24	71	0	1 - 8

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	147
Occupancy Rate (%):	67
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	37
Percent of Physicians Who Are Board Certified Specialists:	54
Interns and Residents:	0
Registered Nurses:	76
Licensed Practical Nurses:	64

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

PEARL RIVER CO HOSP /SWING BED

W MOODY ST
POPLARVILLE, MS 39470

Medicare Hospital Provider Number: 250023

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	202	11	9 - 18	214	18	11 - 22
Cancer	5	60	19 - 90	5	80	26 - 94
Cerebrovascular Accidents	7	57	11 - 75	9	44	9 - 67
Gastrointestinal Catastrophes	0	-	-	2	100	11 - 95
Infectious Disease	3	0	9 - 82	3	0	4 - 79
Metabolic/Electrolyte Disorders	6	0	5 - 59	6	17	11 - 73
Pulmonary Disease	5	40	10 - 80	23	43	13 - 53
Renal Failure	2	50	4 - 93	3	67	8 - 90
Severe Acute Heart Disease	6	33	8 - 74	8	75	16 - 73
Severe Chronic Heart Disease	21	19	11 - 46	5	0	4 - 63
Severe Trauma	1	0	0 -100	0	-	-
Gastrointestinal Disease	15	7	0 - 82	20	5	0 - 55
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	46	2	0 - 20	31	0	1 - 17
Musculoskeletal/Skin Conditions	16	0	0 - 79	19	5	0 - 99
Neuropsychiatric/Sensory Disease	7	0	0 - 99	7	0	0 -100
Urologic Disease	2	0	0 -100	4	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	90
Occupancy Rate (%):	64
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	7
Percent of Physicians Who Are Board Certified Specialists:	57
Interns and Residents:	0
Registered Nurses:	9
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

PERRY CO GENERAL HOSP- SWING BED

206 BAY AV
RICHTON, MS 39476

Medicare Hospital Provider Number: 250005

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	136	7	11 - 20	175	13	7 - 18
Cancer	1	100	3 - 99	3	100	9 - 81
Cerebrovascular Accidents	8	25	5 - 65	6	50	8 - 76
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	1	0	0 - 98	1	100	0 - 98
Metabolic/Electrolyte Disorders	3	0	1 - 84	2	0	1 - 89
Pulmonary Disease	13	15	10 - 53	20	10	9 - 41
Renal Failure	2	50	7 - 96	0	-	-
Severe Acute Heart Disease	12	8	28 - 67	13	31	13 - 61
Severe Chronic Heart Disease	8	13	5 - 59	15	27	4 - 52
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	17	6	0 - 97	9	11	0 - 95
Gynecologic Disease	1	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	16	0	0 - 49	25	0	0 - 29
Musculoskeletal/Skin Conditions	11	0	0 - 81	16	0	0 - 82
Neuropsychiatric/Sensory Disease	10	10	0 -100	4	0	0 -100
Urologic Disease	1	0	0 -100	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	44
Occupancy Rate (%):	23
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	6
Percent of Physicians Who Are Board Certified Specialists:	0
Interns and Residents:	0
Registered Nurses:	13
Licensed Practical Nurses:	9

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

PONTOTOC COMMUNITY HOSPITAL

176 S MAIN ST
PONTOTOC, MS 38663

Medicare Hospital Provider Number: 250003

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	369	12	9 - 17	388	12	9 - 16
Cancer	5	40	5 - 78	5	60	16 - 86
Cerebrovascular Accidents	14	36	13 - 61	14	50	15 - 64
Gastrointestinal Catastrophes	2	0	4 - 89	0	-	-
Infectious Disease	3	0	10 - 82	2	50	2 - 92
Metabolic/Electrolyte Disorders	4	0	11 - 74	4	25	0 - 88
Pulmonary Disease	57	32	18 - 44	66	21	14 - 37
Renal Failure	3	67	7 - 90	0	-	-
Severe Acute Heart Disease	7	14	12 - 68	6	50	14 - 81
Severe Chronic Heart Disease	13	23	8 - 55	13	31	10 - 59
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	32	3	0 - 26	29	3	0 - 67
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	23	4	0 - 75	30	3	0 - 67
Musculoskeletal/Skin Conditions	48	2	0 - 22	41	0	0 - 20
Neuropsychiatric/Sensory Disease	8	0	0 -100	7	0	0 -100
Urologic Disease	10	0	0 - 94	10	10	0 - 92

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 102
Occupancy Rate (%): 61
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 9
Percent of Physicians Who Are Board Certified Specialists: 33
Interns and Residents: 0
Registered Nurses: 15
Licensed Practical Nurses: 17

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

QUITMAN CO HOSP

340 GETWELL DR
MARKS, MS 38646

Medicare Hospital Provider Number: 250131

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	294	13	11 - 20	324	14	12 - 20
Cancer	3	67	13 - 95	4	50	8 - 84
Cerebrovascular Accidents	14	50	14 - 63	14	43	13 - 61
Gastrointestinal Catastrophes	2	50	2 - 92	3	33	6 - 87
Infectious Disease	4	75	15 - 89	4	75	9 - 83
Metabolic/Electrolyte Disorders	17	24	13 - 56	19	11	10 - 45
Pulmonary Disease	31	19	15 - 45	28	21	17 - 49
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	5	0	12 - 68	8	75	25 - 81
Severe Chronic Heart Disease	22	9	11 - 40	19	21	12 - 50
Severe Trauma	1	0	1 - 97	1	0	2 - 97
Gastrointestinal Disease	10	10	0 - 99	25	0	3 - 19
Gynecologic Disease	0	-	-	2	0	0 -100
Low-Risk Heart Disease	37	3	1 - 21	29	3	0 - 35
Musculoskeletal/Skin Conditions	19	5	0 - 62	25	8	0 - 69
Neuropsychiatric/Sensory Disease	6	0	0 - 96	1	0	0 -100
Urologic Disease	13	8	0 - 99	9	0	2 - 46

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	96
Occupancy Rate (%):	92
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	7
Percent of Physicians Who Are Board Certified Specialists:	43
Interns and Residents:	0
Registered Nurses:	12
Licensed Practical Nurses:	14

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

RANKIN GENERAL HOSP-

350 CROSSGATES BLVD
BRANDON, MS 39042

Medicare Hospital Provider Number: 250096

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	575	13	10 - 16	648	13	10 - 16
Cancer	18	56	24 - 69	23	48	28 - 68
Cerebrovascular Accidents	22	32	14 - 53	24	25	16 - 51
Gastrointestinal Catastrophes	5	40	8 - 80	8	38	10 - 71
Infectious Disease	16	38	10 - 58	11	45	7 - 64
Metabolic/Electrolyte Disorders	7	43	8 - 73	15	27	6 - 54
Pulmonary Disease	34	32	12 - 45	41	32	14 - 44
Renal Failure	1	100	2 - 98	1	0	0 - 98
Severe Acute Heart Disease	28	46	18 - 54	33	36	20 - 54
Severe Chronic Heart Disease	37	19	12 - 39	38	16	12 - 37
Severe Trauma	2	0	1 - 89	2	50	1 - 92
Gastrointestinal Disease	57	0	1 - 10	61	2	1 - 13
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	47	2	0 - 18	40	0	0 - 15
Musculoskeletal/Skin Conditions	65	0	1 - 8	63	2	0 - 21
Neuropsychiatric/Sensory Disease	17	0	0 - 80	16	6	0 -100
Urologic Disease	17	6	0 - 63	26	4	0 - 48

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 90
Occupancy Rate (%): 49
Ownership/Control: Local Government

STAFFING

Total Number of Physicians: 32
Percent of Physicians Who Are Board Certified Specialists: 63
Interns and Residents: 0
Registered Nurses: 63
Licensed Practical Nurses: 9

SPECIALTY SERVICES

Shock/Trauma Unit: Yes
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

RIVER OAKS HOSPITAL

1030 RIVER OAKS DR
FLOWOOD, MS 39208

Medicare Hospital Provider Number: 250138

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	443	4	4 - 9	387	3	4 - 9
Cancer	8	38	13 - 74	7	14	14 - 71
Cerebrovascular Accidents	5	40	3 - 77	6	33	5 - 73
Gastrointestinal Catastrophes	1	100	1 - 97	2	50	2 - 92
Infectious Disease	5	20	12 - 79	1	0	1 - 97
Metabolic/Electrolyte Disorders	7	0	5 - 54	7	14	2 - 67
Pulmonary Disease	18	33	11 - 54	9	0	7 - 46
Renal Failure	0	-	-	1	0	2 - 97
Severe Acute Heart Disease	3	0	11 - 83	3	67	7 - 88
Severe Chronic Heart Disease	3	33	0 - 96	4	0	1 - 75
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	42	0	0 - 24	37	0	0 - 23
Gynecologic Disease	3	0	0 -100	12	0	0 -100
Low-Risk Heart Disease	23	4	0 - 60	19	5	0 - 75
Musculoskeletal/Skin Conditions	142	1	0 - 7	113	0	0 - 6
Neuropsychiatric/Sensory Disease	38	3	0 - 67	18	0	0 - 97
Urologic Disease	7	0	0 -100	5	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	100
Ownership/Control:	Private, Non-profit

STAFFING

Interns and Residents:	0
Registered Nurses:	58
Licensed Practical Nurses:	20

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

RUSH FOUNDATION HOSP-

1314 19TH AVE
MERIDIAN, MS 39301

Medicare Hospital Provider Number: 250069

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,775	12	9 - 14	1,714	10	8 - 13
Cancer	46	48	33 - 64	38	42	30 - 63
Cerebrovascular Accidents	56	30	17 - 42	57	33	15 - 41
Gastrointestinal Catastrophes	13	31	11 - 61	11	27	12 - 64
Infectious Disease	26	23	21 - 56	11	55	20 - 75
Metabolic/Electrolyte Disorders	21	24	10 - 51	17	12	12 - 50
Pulmonary Disease	101	25	16 - 36	77	14	14 - 34
Renal Failure	11	82	20 - 77	6	50	18 - 90
Severe Acute Heart Disease	42	50	26 - 57	46	37	25 - 54
Severe Chronic Heart Disease	84	26	15 - 35	67	16	18 - 37
Severe Trauma	3	33	4 - 86	3	0	3 - 80
Gastrointestinal Disease	150	3	1 - 8	194	5	1 - 9
Gynecologic Disease	27	4	0 -100	30	0	0 - 96
Low-Risk Heart Disease	228	2	2 - 7	223	2	2 - 7
Musculoskeletal/Skin Conditions	162	2	1 - 7	162	1	1 - 6
Neuropsychiatric/Sensory Disease	76	1	0 - 12	69	4	0 - 32
Urologic Disease	107	2	0 - 12	107	2	0 - 11

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	205
Occupancy Rate (%):	67
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	37
Percent of Physicians Who Are Board Certified Specialists:	68
Interns and Residents:	0
Registered Nurses:	137
Licensed Practical Nurses:	84

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

RUSH HOSP NEWTON & SWING BED

PO BOX 299
NEWTON, MS 39345

Medicare Hospital Provider Number: 250073

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	193	15	10 - 21	215	20	9 - 20
Cancer	6	33	19 - 85	4	100	21 - 84
Cerebrovascular Accidents	8	38	9 - 70	5	80	8 - 75
Gastrointestinal Catastrophes	0	-	-	1	0	0 - 99
Infectious Disease	7	71	6 - 69	3	33	5 - 86
Metabolic/Electrolyte Disorders	12	25	6 - 58	10	10	5 - 54
Pulmonary Disease	20	15	13 - 48	13	38	10 - 60
Renal Failure	0	-	-	4	75	8 - 85
Severe Acute Heart Disease	6	33	7 - 74	9	78	18 - 71
Severe Chronic Heart Disease	4	100	15 - 78	7	71	10 - 72
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	10	10	0 -100	22	5	0 - 82
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	18	0	0 - 67	22	5	0 - 46
Musculoskeletal/Skin Conditions	22	0	0 - 91	21	10	0 - 96
Neuropsychiatric/Sensory Disease	7	0	0 -100	8	13	0 -100
Urologic Disease	4	0	0 - 98	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	49
Occupancy Rate (%):	53
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	8
Percent of Physicians Who Are Board Certified Specialists:	0
Interns and Residents:	0
Registered Nurses:	11
Licensed Practical Nurses:	8

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

S E LACKEY MEMORIAL HOSP

330 N BROAD ST
FOREST, MS 39074

Medicare Hospital Provider Number: 250029

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	220	19	10 - 21	243	16	9 - 19
Cancer	7	100	34 - 79	6	83	11 - 73
Cerebrovascular Accidents	8	38	7 - 68	6	17	6 - 68
Gastrointestinal Catastrophes	0	-	-	1	0	2 - 97
Infectious Disease	5	60	5 - 78	3	67	9 - 90
Metabolic/Electrolyte Disorders	11	27	4 - 60	12	50	5 - 61
Pulmonary Disease	15	40	9 - 57	13	31	8 - 57
Renal Failure	0	-	-	1	0	3 - 98
Severe Acute Heart Disease	14	21	17 - 61	13	46	14 - 65
Severe Chronic Heart Disease	23	26	8 - 45	13	38	7 - 58
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	15	0	0 - 69	26	8	1 - 37
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	41	2	0 - 27	32	0	1 - 16
Musculoskeletal/Skin Conditions	7	14	0 -100	13	8	0 - 66
Neuropsychiatric/Sensory Disease	4	0	0 -100	7	0	0 -100
Urologic Disease	3	0	0 -100	8	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	74
Occupancy Rate (%):	54
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	9
Percent of Physicians Who Are Board Certified Specialists:	56
Interns and Residents:	0
Registered Nurses:	14
Licensed Practical Nurses:	3

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

LACKEY
MEMORIAL
HOSPITAL

Virginia Mangum
XXXXXXXXXXX
ADMINISTRATOR

October, 24, 1988

Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2 - D - 2
6325 Security Boulevard
Baltimore, Maryland 21207

Medicare I.D. #250029

Gentlemen:

We have received the Mortality data and verified the patients on the list.

The one category which is not within the percentage range of deaths is cancer. These were terminal cases which are sometimes admitted for the comfort of the patient when nothing else can be done.

The other mortality cases referred to are mostly those who are elderly and have been chronically ill for some time.

There is no indication that the quality of care received contributed to the number of deaths occuring in our hospital or within the thirty-day period.

Sincerely,

Virginia Mangum

Virginia Mangum
Administrator

VM/dr

Enclosures

SENATOBIA COMMUNITY HOSP-

401 GETWELL DR
SENATOBIA, MS 38668

Medicare Hospital Provider Number: 250126

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	328	14	11 - 19	376	17	11 - 20
Cancer	5	80	24 - 91	9	78	22 - 76
Cerebrovascular Accidents	7	71	7 - 69	11	36	11 - 64
Gastrointestinal Catastrophes	0	-	-	2	50	1 - 92
Infectious Disease	7	29	13 - 74	6	67	11 - 77
Metabolic/Electrolyte Disorders	18	39	11 - 57	29	21	9 - 44
Pulmonary Disease	34	35	19 - 51	34	24	13 - 43
Renal Failure	1	100	0 - 98	0	-	-
Severe Acute Heart Disease	8	0	23 - 63	16	25	19 - 62
Severe Chronic Heart Disease	24	25	14 - 49	23	30	8 - 46
Severe Trauma	1	0	0 -100	0	-	-
Gastrointestinal Disease	29	0	1 - 18	24	0	1 - 21
Gynecologic Disease	2	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	35	0	0 - 17	45	2	1 - 16
Musculoskeletal/Skin Conditions	16	6	0 - 58	13	8	0 - 94
Neuropsychiatric/Sensory Disease	3	0	0 -100	4	0	0 -100
Urologic Disease	8	0	0 -100	14	21	0 - 89

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	56
Occupancy Rate (%):	34
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	14
Percent of Physicians Who Are Board Certified Specialists:	29
Interns and Residents:	0
Registered Nurses:	24
Licensed Practical Nurses:	5

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SHARKEY ISAQUENA COMMUNITY HOSP-

108 S 4 ST
ROLLING FORK, MS 39159

Medicare Hospital Provider Number: 250079

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	175	11	7 - 17	213	14	9 - 19
Cancer	3	67	5 - 87	4	50	11 - 87
Cerebrovascular Accidents	2	0	6 - 89	3	67	4 - 86
Gastrointestinal Catastrophes	0	-	-	1	100	2 - 97
Infectious Disease	1	100	1 - 97	0	-	-
Metabolic/Electrolyte Disorders	4	50	7 - 83	7	29	9 - 71
Pulmonary Disease	11	27	7 - 59	29	21	12 - 44
Renal Failure	1	100	3 - 98	2	50	6 - 95
Severe Acute Heart Disease	4	25	10 - 83	8	75	14 - 71
Severe Chronic Heart Disease	9	22	6 - 61	11	27	7 - 59
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	17	0	1 - 31	16	0	0 - 65
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	20	5	0 - 59	24	4	0 - 38
Musculoskeletal/Skin Conditions	23	4	1 - 31	19	5	0 - 67
Neuropsychiatric/Sensory Disease	11	0	0 -100	6	17	0 -100
Urologic Disease	2	0	0 -100	3	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	29
Occupancy Rate (%):	41
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	6
Percent of Physicians Who Are Board Certified Specialists:	67
Interns and Residents:	0
Registered Nurses:	7
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SHELBY COMMUNITY HOSP

PO BOX 269
SHELBY, MS 38774

Medicare Hospital Provider Number: 250062

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	102	35	13 - 31	122	29	13 - 30
Cancer	3	67	7 - 88	2	50	3 - 92
Cerebrovascular Accidents	11	73	10 - 61	8	38	5 - 67
Gastrointestinal Catastrophes	1	0	0 - 97	0	-	-
Infectious Disease	6	83	15 - 76	5	80	12 - 79
Metabolic/Electrolyte Disorders	6	17	8 - 71	11	64	8 - 63
Pulmonary Disease	7	43	12 - 76	16	44	14 - 60
Renal Failure	3	100	5 - 82	2	100	9 - 94
Severe Acute Heart Disease	7	43	12 - 76	8	38	14 - 74
Severe Chronic Heart Disease	5	40	4 - 77	6	33	3 - 73
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	8	0	0 - 97	7	0	0 - 91
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	5	20	0 -100	11	9	0 - 94
Musculoskeletal/Skin Conditions	6	0	0 - 99	1	0	0 -100
Neuropsychiatric/Sensory Disease	1	0	0 -100	0	-	-
Urologic Disease	2	0	0 -100	5	20	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1988

Total Beds (#):	23
Ownership/Control:	Private, For Profit

STAFFING

Interns and Residents:	0
Registered Nurses:	5
Licensed Practical Nurses:	6

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SIMPSON GENERAL HOSP

931 JACKSON AVE
MENDENHALL, MS 39114

Medicare Hospital Provider Number: 250065

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	242	14	12 - 21	276	16	13 - 23
Cancer	2	100	12 - 97	7	71	22 - 83
Cerebrovascular Accidents	8	50	13 - 73	8	50	8 - 69
Gastrointestinal Catastrophes	1	0	0 - 99	0	-	-
Infectious Disease	3	67	6 - 87	1	0	1 - 97
Metabolic/Electrolyte Disorders	6	0	4 - 59	8	13	5 - 60
Pulmonary Disease	49	14	15 - 38	70	26	18 - 41
Renal Failure	0	-	-	1	0	2 - 97
Severe Acute Heart Disease	7	71	23 - 84	16	44	23 - 69
Severe Chronic Heart Disease	31	26	11 - 43	20	10	11 - 42
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	18	0	0 - 66	32	9	0 - 48
Gynecologic Disease	1	0	0 -100	4	0	0 - 93
Low-Risk Heart Disease	26	0	1 - 21	27	4	0 - 38
Musculoskeletal/Skin Conditions	10	0	0 -100	15	0	0 - 39
Neuropsychiatric/Sensory Disease	6	0	0 -100	7	0	0 -100
Urologic Disease	7	0	0 - 98	11	0	0 - 98

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 49
Occupancy Rate (%): 55
Ownership/Control: Local Government

STAFFING

Total Number of Physicians: 9
Percent of Physicians Who Are Board Certified Specialists: 0
Interns and Residents: 0
Registered Nurses: 18
Licensed Practical Nurses: 24

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

SINGING RIVER HOSP SYSTEM

2809 DENNY AV
PASCAGOULA, MS 39567

Medicare Hospital Provider Number: 250040

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,947	9	8 - 12	2,925	10	8 - 12
Cancer	87	55	33 - 58	87	49	30 - 55
Cerebrovascular Accidents	66	24	16 - 38	85	33	17 - 39
Gastrointestinal Catastrophes	31	29	20 - 55	29	21	17 - 52
Infectious Disease	33	42	21 - 57	25	40	22 - 62
Metabolic/Electrolyte Disorders	48	10	9 - 35	31	10	5 - 35
Pulmonary Disease	101	15	15 - 32	131	20	17 - 35
Renal Failure	4	25	9 - 85	8	50	14 - 81
Severe Acute Heart Disease	83	55	26 - 49	80	44	25 - 48
Severe Chronic Heart Disease	121	23	15 - 32	116	24	14 - 32
Severe Trauma	2	50	4 - 93	3	0	3 - 80
Gastrointestinal Disease	273	1	2 - 6	268	2	1 - 6
Gynecologic Disease	24	0	0 -100	32	0	0 - 99
Low-Risk Heart Disease	359	2	2 - 6	309	2	2 - 6
Musculoskeletal/Skin Conditions	317	2	1 - 5	378	1	1 - 4
Neuropsychiatric/Sensory Disease	179	2	0 - 8	156	2	1 - 8
Urologic Disease	106	1	1 - 8	119	0	0 - 6

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	339
Occupancy Rate (%):	73
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	86
Percent of Physicians Who Are Board Certified Specialists:	70
Interns and Residents:	0
Registered Nurses:	304
Licensed Practical Nurses:	85

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SRHS

Singing River Hospital System

2809 DENNY AVENUE • PASCAGOULA, MISSISSIPPI 39567 • TELEPHONE (601) 938-5062

SINGING RIVER HOSPITAL
2809 DENNY AVENUE
PASCAGOULA, MISSISSIPPI 39567
TELEPHONE (601) 938-5000

OCEAN SPRINGS HOSPITAL
3009 BIENVILLE BOULEVARD
OCEAN SPRINGS, MISSISSIPPI 39564
TELEPHONE (601) 872-1111

CHEMICAL DEPENDENCY UNIT
2809 DENNY AVENUE
PASCAGOULA, MISSISSIPPI 39567
TELEPHONE (601) 938-5062

October 24, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

RE: 1987 MEDICARE MORTALITY

Dear Mrs. Kappert:

Will you please amend the "hospital characteristics" section of the Singing River Hospital System Medicare Hospital Mortality Information you sent us on September 15, 1988.

The amendments needed are as follows:

	Incorrect Listing	Correct Listing
1. Number of Beds	186	538
2. Total number of physicians	77	120
3. Percent of physicians who are board certified specialists:	52%	69%
4. Coronary Care Unit	No	Yes
5. Organ Transplant service	Yes	No

The report we received indicates that Singing River Hospital System admitted 83 patients in 1987 under the diagnostic category of acute severe heart disease, with 55 percent of those patients having expired with the predicted range of mortality being 26 percent to 49 percent. It should be noted that 12 of the 83 patients who were admitted to the System under that category during 1987 (which is over 25 percent of the number that expired) had arrested outside the hospital and were resuscitated "by others" outside the hospital, with an undeterminable amount of time having lapsed between the patients having arrested and having been resuscitated.

Yours very truly,

Robert L. Lingle

ROBERT L. LINGLE
Executive Director

SMITH COUNTY GENERAL HOSPITAL

HGHWAY 35 SOUTH
RALEIGH, MS 39153

Medicare Hospital Provider Number: 250139

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	145	14	9 - 21	166	10	8 - 18
Cancer	3	33	10 - 90	3	100	20 - 93
Cerebrovascular Accidents	6	0	12 - 62	4	25	1 - 82
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	2	0	3 - 88	1	0	0 - 99
Metabolic/Electrolyte Disorders	1	0	0 - 98	2	0	1 - 90
Pulmonary Disease	9	33	9 - 66	16	13	10 - 47
Renal Failure	1	100	3 - 99	2	50	4 - 93
Severe Acute Heart Disease	6	100	23 - 72	11	45	19 - 72
Severe Chronic Heart Disease	8	38	7 - 68	3	0	8 - 81
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	4	0	0 -100	10	0	0 - 97
Gynecologic Disease	2	0	0 -100	0	-	-
Low-Risk Heart Disease	21	5	0 - 64	25	4	0 - 69
Musculoskeletal/Skin Conditions	13	0	0 - 84	19	0	0 - 96
Neuropsychiatric/Sensory Disease	9	0	0 -100	7	14	0 -100
Urologic Disease	3	33	0 - 91	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1988

Total Beds (#):	30
Ownership/Control:	Local Government

STAFFING

Interns and Residents:	0
Registered Nurses:	9
Licensed Practical Nurses:	6

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SOUTH MISSISSIPPI STATE HOSP

100 BUCHANAN ST
LAUREL, MS 39440

Medicare Hospital Provider Number: 250111

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	146	14	5 - 17	141	14	4 - 17
Cancer	4	50	8 - 84	0	-	-
Cerebrovascular Accidents	8	25	4 - 64	6	17	3 - 69
Gastrointestinal Catastrophes	3	67	2 - 86	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	4	25	3 - 80	2	0	0 - 92
Pulmonary Disease	6	33	4 - 73	9	33	6 - 65
Renal Failure	1	0	0 -100	2	0	0 - 94
Severe Acute Heart Disease	2	100	8 - 91	8	100	19 - 59
Severe Chronic Heart Disease	8	50	2 - 69	5	40	4 - 77
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	13	0	0 - 99	16	6	0 -100
Gynecologic Disease	2	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	22	5	0 - 78	27	0	0 - 38
Musculoskeletal/Skin Conditions	7	0	0 -100	12	0	0 -100
Neuropsychiatric/Sensory Disease	9	0	0 -100	2	0	0 -100
Urologic Disease	0	-	-	3	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	95
Occupancy Rate (%):	31
Ownership/Control:	State Government

STAFFING

Total Number of Physicians:	9
Percent of Physicians Who Are Board Certified Specialists:	11
Interns and Residents:	0
Registered Nurses:	19
Licensed Practical Nurses:	28

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SOUTH PANOLA COMMUNITY HOSP

HOSPITAL RD BOX 433
BATESVILLE, MS 38606

Medicare Hospital Provider Number: 250128

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	292	13	10 - 19	333	12	9 - 17
Cancer	5	40	12 - 82	9	56	14 - 72
Cerebrovascular Accidents	13	38	12 - 62	22	27	16 - 53
Gastrointestinal Catastrophes	1	0	1 - 97	0	-	-
Infectious Disease	3	0	6 - 80	3	67	9 - 90
Metabolic/Electrolyte Disorders	17	41	15 - 62	2	0	0 - 98
Pulmonary Disease	46	22	17 - 43	29	38	14 - 49
Renal Failure	1	100	0 - 98	1	0	1 - 97
Severe Acute Heart Disease	9	56	15 - 72	9	44	17 - 75
Severe Chronic Heart Disease	12	33	4 - 58	7	29	8 - 70
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	19	0	0 - 48	44	7	0 - 30
Gynecologic Disease	5	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	24	0	0 - 36	32	6	0 - 39
Musculoskeletal/Skin Conditions	41	0	0 - 18	30	0	0 - 29
Neuropsychiatric/Sensory Disease	5	20	0 - 98	2	0	0 -100
Urologic Disease	8	0	0 -100	14	0	0 - 99

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	70
Occupancy Rate (%):	34
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	14
Percent of Physicians Who Are Board Certified Specialists:	43
Interns and Residents:	0
Registered Nurses:	20
Licensed Practical Nurses:	26

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SOUTH SUNFLOWER CO HOSP

121 E BAKER ST
INDIANOLA, MS 38751

Medicare Hospital Provider Number: 250095

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	482	13	10 - 17	509	11	8 - 15
Cancer	9	67	16 - 73	11	45	19 - 73
Cerebrovascular Accidents	17	53	11 - 56	24	38	11 - 50
Gastrointestinal Catastrophes	1	0	0 - 99	0	-	-
Infectious Disease	1	100	1 -100	6	67	10 - 76
Metabolic/Electrolyte Disorders	10	10	10 - 57	7	29	4 - 69
Pulmonary Disease	48	25	14 - 41	35	9	13 - 36
Renal Failure	2	50	4 - 93	3	67	6 - 89
Severe Acute Heart Disease	15	27	17 - 61	19	42	17 - 60
Severe Chronic Heart Disease	38	21	12 - 39	33	15	12 - 39
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	44	5	1 - 20	64	5	0 - 24
Gynecologic Disease	0	-	-	2	0	0 -100
Low-Risk Heart Disease	57	0	1 - 9	70	3	1 - 14
Musculoskeletal/Skin Conditions	35	3	0 - 52	36	6	0 - 43
Neuropsychiatric/Sensory Disease	21	5	0 - 87	23	0	0 - 57
Urologic Disease	4	0	0 -100	6	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 69
Occupancy Rate (%): 54
Ownership/Control: Local Government

STAFFING

Total Number of Physicians: 19
Percent of Physicians Who Are Board Certified Specialists: 53
Interns and Residents: 0
Registered Nurses: 23
Licensed Practical Nurses: 29

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: No

SOUTH WASHINGTON CO HOSP

PO DRAWER 398
HOLLANDALE, MS 38748

Medicare Hospital Provider Number: 250110

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	297	19	11 - 20	279	24	11 - 22
Cancer	7	57	11 - 75	1	100	3 -100
Cerebrovascular Accidents	19	26	9 - 49	19	42	11 - 54
Gastrointestinal Catastrophes	2	100	6 - 90	0	-	-
Infectious Disease	6	33	4 - 73	7	57	10 - 74
Metabolic/Electrolyte Disorders	34	21	13 - 46	47	36	14 - 46
Pulmonary Disease	25	24	6 - 43	25	44	12 - 51
Renal Failure	7	43	8 - 77	1	0	1 - 97
Severe Acute Heart Disease	7	57	15 - 78	6	17	9 - 71
Severe Chronic Heart Disease	25	40	7 - 46	13	31	6 - 56
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	7	0	0 - 90	10	0	0 - 83
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	41	2	1 - 19	29	7	0 - 43
Musculoskeletal/Skin Conditions	6	0	0 -100	11	0	0 - 98
Neuropsychiatric/Sensory Disease	6	17	0 - 99	2	0	0 -100
Urologic Disease	0	-	-	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	40
Occupancy Rate (%):	43
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	5
Percent of Physicians Who Are Board Certified Specialists:	80
Interns and Residents:	0
Registered Nurses:	8
Licensed Practical Nurses:	6

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SOUTHWEST MISSISSIPPI GENERAL HOSP

215 MARION AV BOX 1307
MCCOMB, MS 39648

Medicare Hospital Provider Number: 250097

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,673	11	9 - 13	1,529	11	9 - 13
Cancer	33	52	31 - 66	28	61	30 - 67
Cerebrovascular Accidents	67	18	17 - 37	56	38	15 - 42
Gastrointestinal Catastrophes	21	38	15 - 58	9	11	18 - 67
Infectious Disease	21	48	19 - 62	19	32	21 - 64
Metabolic/Electrolyte Disorders	52	21	13 - 42	48	33	14 - 46
Pulmonary Disease	87	20	15 - 35	109	17	17 - 35
Renal Failure	6	83	20 - 87	5	60	10 - 84
Severe Acute Heart Disease	42	60	24 - 55	42	36	26 - 56
Severe Chronic Heart Disease	62	27	13 - 37	57	18	14 - 35
Severe Trauma	3	33	2 - 87	1	0	0 - 98
Gastrointestinal Disease	174	3	1 - 8	151	3	1 - 8
Gynecologic Disease	35	0	0 -100	26	0	0 -100
Low-Risk Heart Disease	195	3	1 - 7	187	1	1 - 6
Musculoskeletal/Skin Conditions	152	2	1 - 8	130	2	1 - 9
Neuropsychiatric/Sensory Disease	61	0	0 - 11	41	0	0 - 31
Urologic Disease	100	3	0 - 19	94	0	0 - 8

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	158
Occupancy Rate (%):	75
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	46
Percent of Physicians Who Are Board Certified Specialists:	78
Interns and Residents:	0
Registered Nurses:	95
Licensed Practical Nurses:	71

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST DOMINIC JACKSON MEMORIAL HOSP

969 LAKELAND DR
JACKSON, MS 39216

Medicare Hospital Provider Number: 250048

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	4,263	8	8 - 11	3,978	8	8 - 12
Cancer	86	33	31 - 55	114	38	33 - 55
Cerebrovascular Accidents	132	23	18 - 34	88	24	19 - 38
Gastrointestinal Catastrophes	26	19	18 - 53	31	35	21 - 58
Infectious Disease	23	57	18 - 59	32	28	18 - 53
Metabolic/Electrolyte Disorders	36	31	12 - 46	31	16	9 - 41
Pulmonary Disease	158	21	18 - 34	129	28	15 - 34
Renal Failure	18	17	12 - 63	20	0	16 - 61
Severe Acute Heart Disease	130	35	28 - 47	112	36	29 - 49
Severe Chronic Heart Disease	156	24	17 - 32	124	22	16 - 33
Severe Trauma	11	9	12 - 57	4	0	6 - 72
Gastrointestinal Disease	348	3	2 - 6	339	4	1 - 7
Gynecologic Disease	21	0	0 -100	17	0	0 -100
Low-Risk Heart Disease	673	3	2 - 5	617	5	2 - 6
Musculoskeletal/Skin Conditions	341	1	1 - 4	332	2	1 - 5
Neuropsychiatric/Sensory Disease	397	1	1 - 5	376	1	0 - 5
Urologic Disease	245	0	1 - 4	184	1	1 - 6

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	398
Occupancy Rate (%):	68
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	349
Percent of Physicians Who Are Board Certified Specialists:	73
Interns and Residents:	0
Registered Nurses:	199
Licensed Practical Nurses:	50

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

TALLAHATCHIE GENERAL HOSP-

202 MARKET ST BOX F
CHARLESTON, MS 38921

Medicare Hospital Provider Number: 250024

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	164	20	9 - 22	195	15	10 - 21
Cancer	5	100	25 - 81	7	57	23 - 87
Cerebrovascular Accidents	12	50	6 - 60	10	40	12 - 68
Gastrointestinal Catastrophes	1	0	0 - 98	0	-	-
Infectious Disease	6	33	10 - 76	2	0	2 - 89
Metabolic/Electrolyte Disorders	4	25	1 - 83	6	50	6 - 75
Pulmonary Disease	16	50	16 - 63	15	40	15 - 62
Renal Failure	0	-	-	1	100	3 - 99
Severe Acute Heart Disease	3	33	6 - 87	7	71	16 - 77
Severe Chronic Heart Disease	6	33	6 - 73	9	11	4 - 55
Severe Trauma	0	-	-	1	0	0 -100
Gastrointestinal Disease	22	5	0 - 56	17	0	0 - 78
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	12	8	0 - 99	27	4	1 - 30
Musculoskeletal/Skin Conditions	6	0	0 -100	8	0	0 -100
Neuropsychiatric/Sensory Disease	7	0	0 -100	2	0	0 -100
Urologic Disease	2	0	0 -100	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1988

Total Beds (#):	25
Ownership/Control:	Local Government

STAFFING

Interns and Residents:	0
Registered Nurses:	9
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

THAGGARD HOSP

PO BOX 157
MADDEN, MS 39109

Medicare Hospital Provider Number: 250091

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	203	12	9 - 19	231	9	9 - 18
Cancer	1	100	2 -100	3	67	13 - 94
Cerebrovascular Accidents	7	14	5 - 63	10	20	14 - 64
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	3	0	5 - 79
Metabolic/Electrolyte Disorders	16	13	7 - 47	20	5	7 - 38
Pulmonary Disease	29	10	13 - 39	34	3	10 - 29
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	13	77	27 - 72	19	42	21 - 64
Severe Chronic Heart Disease	10	0	13 - 47	8	25	4 - 65
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	20	0	0 - 84	15	7	0 -100
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	30	0	0 - 22	24	0	0 - 30
Musculoskeletal/Skin Conditions	12	8	0 -100	19	0	0 - 78
Neuropsychiatric/Sensory Disease	4	0	0 -100	8	25	0 -100
Urologic Disease	8	0	0 -100	7	0	0 - 78

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	22
Occupancy Rate (%):	46
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	2
Percent of Physicians Who Are Board Certified Specialists:	0
Interns and Residents:	0
Registered Nurses:	10
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

TIPPAH CO HOSP

1005 HIGHWAY 15 N
RIPLEY, MS 38663

Medicare Hospital Provider Number: 250010

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	454	18	12 - 20	670	11	10 - 16
Cancer	9	67	22 - 79	11	45	24 - 78
Cerebrovascular Accidents	36	39	17 - 49	32	31	20 - 52
Gastrointestinal Catastrophes	2	50	1 - 93	0	-	-
Infectious Disease	7	43	12 - 75	9	22	14 - 68
Metabolic/Electrolyte Disorders	12	42	8 - 62	15	27	9 - 56
Pulmonary Disease	49	43	16 - 45	84	17	18 - 38
Renal Failure	4	75	14 - 90	7	86	17 - 81
Severe Acute Heart Disease	17	65	23 - 66	7	29	14 - 75
Severe Chronic Heart Disease	26	23	9 - 43	38	34	13 - 44
Severe Trauma	1	0	2 - 97	2	0	2 - 88
Gastrointestinal Disease	46	2	2 - 15	74	1	1 - 10
Gynecologic Disease	4	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	59	0	1 - 9	67	3	1 - 13
Musculoskeletal/Skin Conditions	30	0	0 - 20	65	2	1 - 12
Neuropsychiatric/Sensory Disease	17	0	0 - 68	30	3	0 - 51
Urologic Disease	10	20	0 - 96	28	4	0 - 38

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	99
Occupancy Rate (%):	30
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	10
Percent of Physicians Who Are Board Certified Specialists:	20
Interns and Residents:	0
Registered Nurses:	31
Licensed Practical Nurses:	18

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

Tippah County Hospital

JERRY GREEN, Administrator
1005 North Highway15, Ripley, MS 38663
Phone 601-837-9221

October 10, 1988

Health Care Financing Administration
6325 Security Boulevard
Baltimore, Maryland 21207

Gentlemen:

The Health Care Financing Administration Mortality Statistics have been reviewed and evaluated. Tippah County Hospital is within the predicted ranges for all diagnostic areas.

Tippah County Hospital is a 99 bed facility licensed by the State of Mississippi and accredited by the Joint Commission on Accreditation of Healthcare Organizations. The Hospital Board, Medical Staff and Administration strive for optimal patient care through an active Quality Assurance Program. Mortality Review is one important aspect of this program. Mortality Review is conducted on an ongoing, continuous basis by the Medical Staff on all deaths occurring in the hospital. No quality problems have been identified through these assessments.

The goal of the Board of Directors, Administration, and Medical Staff is to provide optimal quality care to all patients who seek treatment at Tippah County Hospital.

Sincerely,

Jerry Green

Jerry Green
Administrator

TISHOMINGO HEALTH SERVICES INC

1410 W QUITMAN
IUKA, MS 38852

Medicare Hospital Provider Number: 250002

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	479	9	8 - 15	577	10	8 - 14
Cancer	8	63	23 - 82	5	60	13 - 84
Cerebrovascular Accidents	14	21	11 - 55	20	15	16 - 50
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	3	0	3 - 79	3	33	5 - 86
Metabolic/Electrolyte Disorders	6	17	3 - 70	23	30	11 - 52
Pulmonary Disease	33	9	16 - 40	23	9	17 - 45
Renal Failure	1	0	2 -100	5	40	12 - 86
Severe Acute Heart Disease	12	67	21 - 71	16	63	18 - 64
Severe Chronic Heart Disease	21	33	16 - 56	25	44	18 - 56
Severe Trauma	2	50	1 - 93	2	0	2 - 89
Gastrointestinal Disease	30	0	0 - 34	66	3	1 - 15
Gynecologic Disease	3	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	86	3	1 - 12	90	2	1 - 10
Musculoskeletal/Skin Conditions	53	2	0 - 31	64	5	0 - 46
Neuropsychiatric/Sensory Disease	13	0	0 - 95	8	0	0 - 99
Urologic Disease	8	0	0 -100	8	25	0 - 92

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 99
Occupancy Rate (%): 29
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 7
Percent of Physicians Who Are Board Certified Specialists: 57
Interns and Residents: 0
Registered Nurses: 24
Licensed Practical Nurses: 19

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: No

TUNICA CO HOSP

HWY 61 N BOX 428
TUNICA, MS 38676

Medicare Hospital Provider Number: 250075

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	88	9	13 - 26	124	11	10 - 22
Cancer	3	67	10 - 91	2	50	2 - 92
Cerebrovascular Accidents	5	40	7 - 78	2	0	1 - 89
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	2	0	12 - 96
Metabolic/Electrolyte Disorders	3	33	1 - 87	6	0	3 - 59
Pulmonary Disease	8	0	7 - 49	8	25	5 - 65
Renal Failure	1	0	1 - 97	4	50	6 - 85
Severe Acute Heart Disease	2	50	6 - 94	8	50	17 - 77
Severe Chronic Heart Disease	27	7	16 - 40	14	0	9 - 36
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	1	0	0 -100	8	0	0 - 90
Gynecologic Disease	0	-	-	2	0	0 -100
Low-Risk Heart Disease	12	0	0 - 75	12	0	0 - 59
Musculoskeletal/Skin Conditions	2	0	0 -100	9	0	0 -100
Neuropsychiatric/Sensory Disease	2	0	0 -100	6	0	0 -100
Urologic Disease	3	0	0 -100	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	22
Occupancy Rate (%):	23
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	7
Percent of Physicians Who Are Board Certified Specialists:	0
Interns and Residents:	0
Registered Nurses:	10
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

TYLER HOLMES MEMORIAL HOSP-

TYLER HOLMES DR
WINONA, MS 38967

Medicare Hospital Provider Number: 250066

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	432	14	9 - 16	487	15	10 - 17
Cancer	6	67	17 - 82	12	58	26 - 78
Cerebrovascular Accidents	26	15	17 - 47	38	16	18 - 43
Gastrointestinal Catastrophes	0	-	-	2	0	2 - 89
Infectious Disease	2	50	4 - 92	4	50	5 - 82
Metabolic/Electrolyte Disorders	9	56	12 - 71	18	33	9 - 54
Pulmonary Disease	31	45	14 - 50	33	21	9 - 40
Renal Failure	2	50	3 - 93	4	100	21 - 89
Severe Acute Heart Disease	11	73	15 - 66	12	50	11 - 64
Severe Chronic Heart Disease	21	24	12 - 49	20	20	9 - 46
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	41	2	0 - 24	45	4	0 - 46
Gynecologic Disease	1	0	0 -100	2	50	0 -100
Low-Risk Heart Disease	74	7	0 - 21	62	6	0 - 21
Musculoskeletal/Skin Conditions	37	3	0 - 30	49	4	1 - 20
Neuropsychiatric/Sensory Disease	17	6	0 - 99	17	0	0 -100
Urologic Disease	7	0	0 - 94	13	15	0 - 94

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 49
Occupancy Rate (%): 55
Ownership/Control: Local Government

STAFFING

Total Number of Physicians: 4
Percent of Physicians Who Are Board Certified Specialists: 75
Interns and Residents: 0
Registered Nurses: 12
Licensed Practical Nurses: 25

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

UNION CO GENERAL HOSP

HIGHWAY 30 W
NEW ALBANY, MS 38652

Medicare Hospital Provider Number: 250006

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,225	13	9 - 14	1,185	11	8 - 13
Cancer	35	49	29 - 64	21	48	29 - 71
Cerebrovascular Accidents	36	56	17 - 50	33	45	17 - 50
Gastrointestinal Catastrophes	6	33	6 - 74	3	33	4 - 86
Infectious Disease	12	50	15 - 68	11	55	11 - 66
Metabolic/Electrolyte Disorders	31	23	11 - 46	40	27	10 - 43
Pulmonary Disease	77	17	13 - 33	62	18	15 - 37
Renal Failure	7	86	19 - 82	3	33	6 - 89
Severe Acute Heart Disease	33	64	24 - 57	33	52	23 - 57
Severe Chronic Heart Disease	65	29	13 - 36	54	28	15 - 39
Severe Trauma	1	100	1 - 97	1	0	0 - 99
Gastrointestinal Disease	126	2	1 - 9	149	1	1 - 7
Gynecologic Disease	14	0	0 -100	13	0	0 -100
Low-Risk Heart Disease	137	3	1 - 9	127	2	1 - 8
Musculoskeletal/Skin Conditions	93	1	1 - 8	92	1	0 - 14
Neuropsychiatric/Sensory Disease	40	0	0 - 36	36	0	0 - 45
Urologic Disease	33	3	0 - 27	36	0	0 - 42

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	153
Occupancy Rate (%):	66
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	23
Percent of Physicians Who Are Board Certified Specialists:	57
Interns and Residents:	0
Registered Nurses:	63
Licensed Practical Nurses:	28

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

UNION COUNTY
GENERAL HOSPITAL
Highway 30 West
New Albany, Mississippi 38652

John Tompkins 601-534-7631
Administrator

October 10, 1988

Health Care Financing Administration
P.O. Box 26684
Baltimore, Maryland 21207

Dear Sir:

The HCFA mortality statistics provided to Union County General Hospital exceeded the predicted range in the diagnostic categories of renal failure, cerebrovascular accidents, severe acute heart disease and severe trauma.

A thorough review of the data submitted by HCFA indicated that in the category of cerebrovascular accidents, 62% of the patients had a "Do Not Resuscitate" order. Seventy-two percent (72%) of these patients were admitted to the Intensive Care Unit and 75% had comorbid conditions or developed complications. In the diagnostic category of renal failure, 100% of the patients had a "Do Not Resuscitate" order and 29% expired within 48 hours of admission. In the diagnostic category severe acute heart disease, 21% of the patients had a "Do Not Resuscitate" order. Forty-five percent (45%) expired within 48 hours of admission to the hospital. One hundred percent (100%) of these patients were admitted to the Intensive Care Unit and 61% developed complications. In the diagnostic category of severe trauma we had only one (1) patient who expired soon after admission as a result of multiple trauma.

We caution against viewing the HCFA mortality rates as the ultimate indicators of quality. Quality cannot be measured with statistics alone. In fact, there is no statistical model available at this time which can consider all of the variables that may interact to result in a positive or negative patient outcome. Such a model can only suggest areas for evaluation or study.

Union County General Hospital is accredited by the Joint Commission on Accreditation of Health Care Organizations and a vital requirement for this accreditation is a comprehensive Quality Assurance Program, whereby the hospital and physicians' performance is assessed for quality.

The goal of the Board of Trustees, Administration and Medical Staff is to provide optimal quality care to all patients who seek treatment at Union County General Hospital.

Sincerely,

John Tompkins

John Tompkins
Administrator

UNIVERSITY HOSP

2500 N STATE ST
JACKSON, MS 39216

Medicare Hospital Provider Number: 250001

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,657	12	9 - 13	1,605	14	9 - 14
Cancer	85	26	30 - 53	86	47	33 - 58
Cerebrovascular Accidents	52	35	13 - 40	54	33	13 - 40
Gastrointestinal Catastrophes	10	30	8 - 64	14	57	15 - 65
Infectious Disease	36	50	20 - 55	21	62	20 - 63
Metabolic/Electrolyte Disorders	29	24	13 - 48	28	21	9 - 44
Pulmonary Disease	40	30	11 - 41	38	34	9 - 41
Renal Failure	23	13	3 - 56	51	14	4 - 54
Severe Acute Heart Disease	31	45	19 - 54	31	42	20 - 55
Severe Chronic Heart Disease	42	33	9 - 38	37	19	12 - 39
Severe Trauma	7	43	3 - 72	7	71	4 - 70
Gastrointestinal Disease	65	2	1 - 12	61	7	0 - 29
Gynecologic Disease	22	0	0 -100	30	0	0 -100
Low-Risk Heart Disease	124	2	1 - 9	123	4	1 - 10
Musculoskeletal/Skin Conditions	162	4	0 - 11	132	3	0 - 16
Neuropsychiatric/Sensory Disease	194	1	1 - 6	178	5	0 - 15
Urologic Disease	47	4	0 - 46	60	0	0 - 12

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 552
Occupancy Rate (%): 78
Ownership/Control: State Government

STAFFING

Total Number of Physicians: 213
Percent of Physicians Who Are Board Certified Specialists: 78
Interns and Residents: 222
Registered Nurses: 352
Licensed Practical Nurses: 112

SPECIALTY SERVICES

Shock/Trauma Unit: Yes
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: Yes
Hospice Care: No

VICKSBURG MEDICAL CENTER

3311 I 20 FRONTAGE RD BOX 1031
VICKSBURG, MS 39180

Medicare Hospital Provider Number: 250031

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	993	12	9 - 15	1,051	12	9 - 14
Cancer	28	50	26 - 64	33	61	26 - 60
Cerebrovascular Accidents	41	34	16 - 45	40	30	14 - 43
Gastrointestinal Catastrophes	11	45	10 - 66	9	22	12 - 67
Infectious Disease	8	50	13 - 75	10	60	12 - 69
Metabolic/Electrolyte Disorders	15	40	13 - 62	21	29	12 - 53
Pulmonary Disease	35	14	13 - 40	44	27	12 - 41
Renal Failure	2	100	7 - 91	4	100	21 - 89
Severe Acute Heart Disease	38	37	25 - 56	29	38	26 - 61
Severe Chronic Heart Disease	47	30	10 - 38	39	28	12 - 41
Severe Trauma	1	0	0 - 99	1	0	0 - 99
Gastrointestinal Disease	90	4	1 - 13	93	1	1 - 8
Gynecologic Disease	8	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	122	2	1 - 8	138	1	1 - 7
Musculoskeletal/Skin Conditions	107	2	0 - 10	98	1	0 - 9
Neuropsychiatric/Sensory Disease	25	4	0 - 38	35	3	0 - 39
Urologic Disease	42	2	0 - 26	60	5	1 - 19

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	144
Occupancy Rate (%):	51
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	34
Percent of Physicians Who Are Board Certified Specialists:	68
Interns and Residents:	0
Registered Nurses:	51
Licensed Practical Nurses:	44

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WALTHALL CO GENERAL HOSP

100 HOSPITAL DR
TYLERTOWN, MS 39667

Medicare Hospital Provider Number: 250107

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	519	9	7 - 13	508	10	6 - 13
Cancer	3	67	11 - 92	4	75	16 - 90
Cerebrovascular Accidents	14	50	10 - 59	14	29	9 - 56
Gastrointestinal Catastrophes	1	0	1 - 97	1	100	3 - 98
Infectious Disease	8	13	11 - 64	6	33	5 - 74
Metabolic/Electrolyte Disorders	9	11	3 - 57	6	33	2 - 75
Pulmonary Disease	27	26	15 - 49	33	21	11 - 41
Renal Failure	8	50	14 - 81	9	67	14 - 78
Severe Acute Heart Disease	14	36	15 - 62	10	10	17 - 61
Severe Chronic Heart Disease	21	24	9 - 47	19	32	8 - 50
Severe Trauma	0	-	-	1	0	0 - 98
Gastrointestinal Disease	56	2	1 - 14	71	0	1 - 8
Gynecologic Disease	0	-	-	2	0	0 -100
Low-Risk Heart Disease	101	2	1 - 9	97	1	1 - 8
Musculoskeletal/Skin Conditions	38	0	0 - 30	35	3	0 - 50
Neuropsychiatric/Sensory Disease	16	6	0 - 92	26	4	0 - 99
Urologic Disease	11	0	0 - 94	12	0	0 - 99

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	49
Occupancy Rate (%):	51
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	11
Percent of Physicians Who Are Board Certified Specialists:	55
Interns and Residents:	0
Registered Nurses:	18
Licensed Practical Nurses:	10

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WAYNE GENERAL HOSP

950 MATTHEW DR
WAYNESBORO, MS 39367

Medicare Hospital Provider Number: 250077

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	569	7	7 - 13	594	12	8 - 15
Cancer	10	40	27 - 82	17	71	34 - 78
Cerebrovascular Accidents	23	26	13 - 50	15	53	10 - 58
Gastrointestinal Catastrophes	3	33	2 - 86	2	50	1 - 93
Infectious Disease	7	43	16 - 80	4	0	6 - 71
Metabolic/Electrolyte Disorders	3	0	2 - 80	8	25	2 - 67
Pulmonary Disease	27	11	11 - 39	42	26	15 - 44
Renal Failure	1	100	3 - 98	3	33	6 - 89
Severe Acute Heart Disease	9	44	17 - 75	22	59	23 - 63
Severe Chronic Heart Disease	29	21	12 - 43	27	19	14 - 45
Severe Trauma	1	0	0 - 99	1	0	1 - 97
Gastrointestinal Disease	72	3	0 - 24	71	1	0 - 12
Gynecologic Disease	3	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	86	2	1 - 10	70	4	0 - 18
Musculoskeletal/Skin Conditions	55	4	0 - 23	67	1	0 - 15
Neuropsychiatric/Sensory Disease	22	0	0 - 68	30	3	0 - 85
Urologic Disease	18	0	0 - 83	11	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	80
Occupancy Rate (%):	50
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	14
Percent of Physicians Who Are Board Certified Specialists:	29
Interns and Residents:	0
Registered Nurses:	29
Licensed Practical Nurses:	34

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WEBSTER GENERAL HOSP

500 HIGHWAY 9 S
EUPORA, MS 39744

Medicare Hospital Provider Number: 250020

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	519	11	9 - 15	525	11	9 - 15
Cancer	12	75	28 - 77	18	78	30 - 70
Cerebrovascular Accidents	20	40	12 - 54	20	30	11 - 51
Gastrointestinal Catastrophes	1	0	0 - 99	3	33	7 - 88
Infectious Disease	6	67	11 - 77	5	20	9 - 77
Metabolic/Electrolyte Disorders	20	20	13 - 52	8	25	6 - 66
Pulmonary Disease	42	29	15 - 44	64	22	16 - 39
Renal Failure	0	-	-	2	50	3 - 93
Severe Acute Heart Disease	8	13	14 - 66	15	53	17 - 64
Severe Chronic Heart Disease	18	39	8 - 52	6	0	5 - 57
Severe Trauma	0	-	-	2	0	2 - 89
Gastrointestinal Disease	62	2	1 - 13	64	0	1 - 9
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	70	0	1 - 8	93	1	1 - 8
Musculoskeletal/Skin Conditions	56	0	0 - 12	44	0	0 - 15
Neuropsychiatric/Sensory Disease	16	6	0 - 68	8	0	0 -100
Urologic Disease	8	0	0 - 97	8	13	0 - 90

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 49
Occupancy Rate (%): 59
Ownership/Control: Local Government

STAFFING

Total Number of Physicians: 4
Percent of Physicians Who Are Board Certified Specialists: 100
Interns and Residents: 0
Registered Nurses: 19
Licensed Practical Nurses: 11

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

WEST SCOTT BAPTIST HOSP

HIGHWAY 13 S BOX 370
MORTON, MS 39117

Medicare Hospital Provider Number: 250132

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	187	18	9 - 20	220	19	9 - 20
Cancer	4	75	9 - 82	2	50	8 - 97
Cerebrovascular Accidents	8	38	5 - 67	9	44	8 - 67
Gastrointestinal Catastrophes	0	-	-	1	100	2 - 97
Infectious Disease	3	33	2 - 86	2	50	3 - 92
Metabolic/Electrolyte Disorders	6	0	3 - 59	19	5	7 - 39
Pulmonary Disease	20	20	9 - 47	23	13	14 - 45
Renal Failure	3	100	14 - 90	2	100	11 - 97
Severe Acute Heart Disease	8	25	15 - 72	6	67	13 - 78
Severe Chronic Heart Disease	10	40	4 - 63	18	61	7 - 52
Severe Trauma	1	0	0 - 98	0	-	-
Gastrointestinal Disease	22	9	0 - 80	15	7	0 - 99
Gynecologic Disease	1	0	0 -100	0	-	-
Low-Risk Heart Disease	18	6	0 - 95	40	5	0 - 38
Musculoskeletal/Skin Conditions	16	6	0 -100	9	11	0 -100
Neuropsychiatric/Sensory Disease	1	0	0 -100	6	17	0 -100
Urologic Disease	2	0	0 -100	8	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	30
Occupancy Rate (%):	43
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	7
Percent of Physicians Who Are Board Certified Specialists:	57
Interns and Residents:	0
Registered Nurses:	10
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WHITFIELD MEDICAL SURGICAL HOSP

PO BOX 56
WHITFIELD, MS 39193

Medicare Hospital Provider Number: 250134

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	183	14	4 - 15	163	9	5 - 14
Cancer	2	100	2 - 89	3	33	3 - 86
Cerebrovascular Accidents	1	100	0 - 99	2	0	0 - 95
Gastrointestinal Catastrophes	5	0	6 - 64	1	0	0 - 99
Infectious Disease	5	40	3 - 78	1	0	0 -100
Metabolic/Electrolyte Disorders	7	43	1 - 76	7	0	1 - 59
Pulmonary Disease	24	33	8 - 47	21	29	7 - 48
Renal Failure	1	0	0 -100	1	0	0 -100
Severe Acute Heart Disease	0	-	-	5	80	9 - 76
Severe Chronic Heart Disease	3	67	1 - 89	2	50	0 - 95
Severe Trauma	1	0	0 -100	0	-	-
Gastrointestinal Disease	6	0	0 -100	13	0	0 -100
Gynecologic Disease	4	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	5	0	0 -100	4	0	0 -100
Musculoskeletal/Skin Conditions	17	6	0 -100	12	0	0 - 98
Neuropsychiatric/Sensory Disease	10	0	0 -100	12	0	0 -100
Urologic Disease	4	0	0 -100	4	0	0 - 98

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1986

Total Beds (#):	43
Ownership/Control:	State Government

STAFFING

Interns and Residents:	1
Registered Nurses:	14
Licensed Practical Nurses:	16

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WHITFIELD MEDICAL SURGICAL HOSPITAL

WHITFIELD, MISSISSIPPI 39193
(601)939-1221

Medicare Provider Number
25-0134-011

10 October 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

RE: Comments on Your 1987 Mortality Statistics (Dr. Roper's letter, 15 Sept. 1988)

Dear Mrs. Kappert:

We have carefully reviewed the information in your letter and find it to be generally accurate. Minor discrepancies discovered concern diagnoses and periods of hospitalization of patients who did not die. We have furnished to you separately patient specific information on these cases.

Sincerely,

J Morton

JAMES I. MORTON, FACHE
Administrator

Cy: MHA
(Ms. Mary Patterson)

JIM:jn

WINSTON CO COMMUNITY HOSP-

HIGHWAY 14 E
LOUISVILLE, MS 39339

Medicare Hospital Provider Number: 250027

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	416	15	10 - 17	449	11	9 - 16
Cancer	21	71	33 - 72	11	27	30 - 82
Cerebrovascular Accidents	24	38	13 - 51	23	30	10 - 48
Gastrointestinal Catastrophes	2	50	7 - 96	2	100	4 - 89
Infectious Disease	4	75	3 - 80	3	0	5 - 79
Metabolic/Electrolyte Disorders	9	22	11 - 66	11	9	7 - 52
Pulmonary Disease	18	50	12 - 56	33	15	15 - 42
Renal Failure	0	-	-	1	0	2 - 97
Severe Acute Heart Disease	11	36	18 - 70	17	71	19 - 62
Severe Chronic Heart Disease	20	25	8 - 47	18	33	9 - 52
Severe Trauma	0	-	-	1	0	2 - 97
Gastrointestinal Disease	36	0	1 - 16	49	0	1 - 11
Gynecologic Disease	0	-	-	5	0	0 -100
Low-Risk Heart Disease	42	2	1 - 18	50	2	0 - 17
Musculoskeletal/Skin Conditions	56	0	0 - 10	52	0	0 - 13
Neuropsychiatric/Sensory Disease	17	6	0 - 99	14	7	0 - 99
Urologic Disease	11	0	0 - 97	12	8	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	147
Occupancy Rate (%):	80
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	8
Percent of Physicians Who Are Board Certified Specialists:	50
Interns and Residents:	0
Registered Nurses:	23
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

WOMANS HOSP
PO BOX 4546
JACKSON, MS 39216

Medicare Hospital Provider Number: 250136

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	40	2	0 - 26	42	0	1 - 13
Cancer	0	-	-	2	0	1 - 89
Cerebrovascular Accidents	0	-	-	0	-	-
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	1	0	1 - 97	0	-	-
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	0	-	-
Severe Chronic Heart Disease	0	-	-	1	0	1 - 97
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	0	-	-	1	0	0 -100
Gynecologic Disease	22	5	0 -100	16	0	0 -100
Low-Risk Heart Disease	0	-	-	0	-	-
Musculoskeletal/Skin Conditions	0	-	-	0	-	-
Neuropsychiatric/Sensory Disease	0	-	-	0	-	-
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1986

Total Beds (#): 111
Ownership/Control: Private, For Profit

STAFFING

Interns and Residents: 0
Registered Nurses: 102
Licensed Practical Nurses: 4

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

YALOBUSHA GENERAL HOSP

HIGHWAY 7 S BOX 728
WATER VALLEY, MS 38965

Medicare Hospital Provider Number: 250061

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	270	13	8 - 17	293	13	10 - 18
Cancer	11	64	25 - 78	11	73	28 - 79
Cerebrovascular Accidents	11	45	6 - 62	12	17	8 - 54
Gastrointestinal Catastrophes	2	100	5 - 89	2	0	3 - 88
Infectious Disease	0	-	-	1	0	0 - 98
Metabolic/Electrolyte Disorders	1	0	0 -100	3	0	0 - 96
Pulmonary Disease	21	29	11 - 51	25	24	14 - 49
Renal Failure	1	100	2 - 97	3	100	11 - 87
Severe Acute Heart Disease	7	29	11 - 73	18	33	16 - 59
Severe Chronic Heart Disease	18	17	6 - 44	12	8	6 - 46
Severe Trauma	0	-	-	1	0	1 - 97
Gastrointestinal Disease	38	3	0 - 33	40	0	0 - 19
Gynecologic Disease	5	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	37	3	0 - 30	41	5	0 - 31
Musculoskeletal/Skin Conditions	8	0	0 -100	16	0	0 - 93
Neuropsychiatric/Sensory Disease	10	0	0 - 74	6	0	0 -100
Urologic Disease	8	13	0 -100	5	20	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	85
Occupancy Rate (%):	71
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	9
Percent of Physicians Who Are Board Certified Specialists:	89
Interns and Residents:	0
Registered Nurses:	10
Licensed Practical Nurses:	10

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ALAMANCE CO HOSP

327 NORTH GRAHAM-HOPEDALE RD
BURLINGTON, NC 27215

Medicare Hospital Provider Number: 340034

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,054	16	10 - 15	1,052	16	10 - 16
Cancer	32	50	19 - 55	44	36	22 - 53
Cerebrovascular Accidents	51	27	13 - 39	53	32	16 - 43
Gastrointestinal Catastrophes	10	50	11 - 68	13	23	15 - 63
Infectious Disease	27	30	17 - 54	21	38	15 - 58
Metabolic/Electrolyte Disorders	20	20	6 - 47	26	19	6 - 43
Pulmonary Disease	59	29	12 - 37	63	33	14 - 39
Renal Failure	6	33	15 - 85	2	100	2 - 89
Severe Acute Heart Disease	72	36	27 - 51	66	44	24 - 49
Severe Chronic Heart Disease	43	28	7 - 35	76	20	11 - 31
Severe Trauma	1	100	2 - 97	1	0	1 - 97
Gastrointestinal Disease	124	5	0 - 13	96	5	0 - 17
Gynecologic Disease	12	0	0 -100	10	10	0 -100
Low-Risk Heart Disease	94	1	1 - 8	97	5	1 - 13
Musculoskeletal/Skin Conditions	58	0	1 - 10	62	2	0 - 24
Neuropsychiatric/Sensory Disease	6	17	0 -100	8	13	0 -100
Urologic Disease	29	3	0 - 98	39	0	0 - 42

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	116
Occupancy Rate (%):	62
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	113
Percent of Physicians Who Are Board Certified Specialists:	75
Interns and Residents:	0
Registered Nurses:	103
Licensed Practical Nurses:	42

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ALAMANCE MEMORIAL HOSP

730 HERMITAGE RD BOX 4008
BURLINGTON, NC 27215

Medicare Hospital Provider Number: 340070

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	753	12	10 - 16	664	13	10 - 16
Cancer	11	64	12 - 66	12	58	20 - 72
Cerebrovascular Accidents	46	17	18 - 41	38	21	15 - 42
Gastrointestinal Catastrophes	4	50	2 - 83	8	75	11 - 69
Infectious Disease	19	21	18 - 58	11	64	14 - 68
Metabolic/Electrolyte Disorders	16	19	7 - 50	13	31	7 - 58
Pulmonary Disease	42	21	10 - 38	38	26	7 - 38
Renal Failure	0	-	-	1	100	3 - 99
Severe Acute Heart Disease	61	36	25 - 50	58	26	24 - 49
Severe Chronic Heart Disease	48	15	13 - 35	36	19	9 - 37
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	63	3	0 - 17	61	5	0 - 26
Gynecologic Disease	9	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	93	2	1 - 10	85	2	1 - 11
Musculoskeletal/Skin Conditions	32	0	0 - 54	46	2	0 - 36
Neuropsychiatric/Sensory Disease	15	7	0 -100	11	9	0 -100
Urologic Disease	28	4	0 - 47	28	0	0 - 76

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	220
Occupancy Rate (%):	72
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	127
Percent of Physicians Who Are Board Certified Specialists:	85
Interns and Residents:	0
Registered Nurses:	102
Licensed Practical Nurses:	19

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ALBEMARLE HOSP

1144 N ROAD ST
ELIZABETH CITY , NC 27909

Medicare Hospital Provider Number: 340109

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,368	14	12 - 17	1,252	13	11 - 16
Cancer	52	46	29 - 59	44	48	24 - 56
Cerebrovascular Accidents	67	18	19 - 39	61	13	20 - 39
Gastrointestinal Catastrophes	14	50	15 - 66	8	50	7 - 70
Infectious Disease	18	28	20 - 62	20	35	21 - 64
Metabolic/Electrolyte Disorders	22	18	12 - 49	8	13	2 - 62
Pulmonary Disease	100	23	17 - 37	125	24	17 - 36
Renal Failure	8	25	15 - 79	6	50	8 - 81
Severe Acute Heart Disease	61	41	25 - 51	56	34	25 - 51
Severe Chronic Heart Disease	87	32	14 - 34	57	26	13 - 37
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	98	2	1 - 10	96	5	1 - 13
Gynecologic Disease	11	0	0 - 97	11	0	0 -100
Low-Risk Heart Disease	154	3	2 - 8	137	7	1 - 12
Musculoskeletal/Skin Conditions	79	1	0 - 11	57	5	0 - 22
Neuropsychiatric/Sensory Disease	34	0	0 - 18	35	3	0 - 53
Urologic Disease	71	0	0 - 11	70	1	1 - 12

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	137
Occupancy Rate (%):	62
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	45
Percent of Physicians Who Are Board Certified Specialists:	73
Interns and Residents:	0
Registered Nurses:	115
Licensed Practical Nurses:	64

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ALEXANDER CO HOSP

326 THIRD ST SW
TAYLORSVILLE, NC 28681

Medicare Hospital Provider Number: 340067

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	347	13	9 - 17	355	12	10 - 17
Cancer	4	50	6 - 83	2	50	4 - 92
Cerebrovascular Accidents	15	33	11 - 57	15	13	14 - 52
Gastrointestinal Catastrophes	0	-	-	2	100	5 - 89
Infectious Disease	3	33	4 - 86	3	67	8 - 89
Metabolic/Electrolyte Disorders	4	25	0 - 91	12	0	8 - 42
Pulmonary Disease	45	20	16 - 42	44	25	13 - 41
Renal Failure	2	100	6 - 90	2	50	3 - 93
Severe Acute Heart Disease	20	35	20 - 61	13	46	17 - 67
Severe Chronic Heart Disease	12	25	5 - 56	17	24	7 - 49
Severe Trauma	0	-	-	1	0	1 - 97
Gastrointestinal Disease	31	3	1 - 27	25	8	0 - 54
Gynecologic Disease	3	0	0 -100	0	-	-
Low-Risk Heart Disease	58	7	0 - 24	51	2	1 - 14
Musculoskeletal/Skin Conditions	16	6	0 - 55	27	0	0 - 58
Neuropsychiatric/Sensory Disease	8	0	0 -100	4	0	0 -100
Urologic Disease	16	0	0 - 55	17	0	0 - 61

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 51
Occupancy Rate (%): 61
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 9
Percent of Physicians Who Are Board Certified Specialists: 100
Interns and Residents: 0
Registered Nurses: 14
Licensed Practical Nurses: 17

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

ALLEGHANY CO MEMORIAL HOSP

HOSPITAL RD
SPARTA, NC 28675

Medicare Hospital Provider Number: 340044

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	329	15	10 - 19	282	16	11 - 20
Cancer	4	75	18 - 92	6	50	12 - 79
Cerebrovascular Accidents	14	21	9 - 53	14	50	9 - 59
Gastrointestinal Catastrophes	1	0	2 - 98	2	100	4 - 88
Infectious Disease	0	-	-	3	67	7 - 88
Metabolic/Electrolyte Disorders	7	0	4 - 54	4	25	0 - 90
Pulmonary Disease	47	32	14 - 43	37	19	14 - 42
Renal Failure	2	50	2 - 93	1	100	2 - 97
Severe Acute Heart Disease	18	28	21 - 62	24	29	18 - 54
Severe Chronic Heart Disease	22	5	16 - 40	13	8	9 - 46
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	38	13	0 - 55	23	0	0 - 56
Gynecologic Disease	2	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	49	2	1 - 16	41	5	0 - 29
Musculoskeletal/Skin Conditions	25	4	0 - 49	13	15	0 - 91
Neuropsychiatric/Sensory Disease	10	0	0 - 99	4	0	0 -100
Urologic Disease	2	0	0 -100	4	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 46
Occupancy Rate (%): 52
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 8
Percent of Physicians Who Are Board Certified Specialists: 100
Interns and Residents: 0
Registered Nurses: 12
Licensed Practical Nurses: 8

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

ANGEL COMMUNITY HOSP- INC

RIVERVIEW AT WHITE OAK ST
FRANKLIN, NC 28734

Medicare Hospital Provider Number: 340012

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	725	11	8 - 14	704	10	8 - 14
Cancer	16	38	20 - 66	18	50	26 - 71
Cerebrovascular Accidents	26	35	11 - 47	23	43	14 - 54
Gastrointestinal Catastrophes	2	50	1 - 92	5	20	6 - 75
Infectious Disease	7	29	7 - 70	8	50	9 - 71
Metabolic/Electrolyte Disorders	9	33	13 - 70	5	20	0 - 84
Pulmonary Disease	48	19	16 - 41	45	9	14 - 35
Renal Failure	5	40	9 - 83	2	50	7 - 97
Severe Acute Heart Disease	33	45	20 - 54	28	21	21 - 53
Severe Chronic Heart Disease	12	25	5 - 56	36	17	11 - 37
Severe Trauma	2	50	0 - 96	0	-	-
Gastrointestinal Disease	72	4	0 - 21	62	2	1 - 13
Gynecologic Disease	11	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	99	0	2 - 7	72	4	0 - 17
Musculoskeletal/Skin Conditions	64	2	0 - 33	65	0	1 - 9
Neuropsychiatric/Sensory Disease	9	0	0 -100	18	6	0 - 96
Urologic Disease	19	5	0 -100	48	0	0 - 24

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	81
Occupancy Rate (%):	61
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	22
Percent of Physicians Who Are Board Certified Specialists:	82
Interns and Residents:	0
Registered Nurses:	46
Licensed Practical Nurses:	19

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Angel Community Hospital

Franklin, North Carolina 28734 - 1209

MEDICARE ID NUMBER: ID 340012

Date: October 13, 1988

TO: Health Standards and Quality Bureau, HCFA
Attention: Ms. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Upon review of Hospital Specific Medicare Mortality Information, the following suggestions are made:

[1] The public population served by Angel Community Hospital includes a very high number of Medicare (Age 65+) group. Western North Carolina is a retirement area for the entire country. It would be beneficial, in the refinement, to include information reflecting the Hospitals that serve a concentrated population of Medicare recipients. Mortality rates will be higher in these areas.

[2] There are cases reflected on the Hospital's Rates(for death within 30 days of discharge.) From death certificates, this is in fact accurate, however the public is not clearly informed that the death may have resulted from totally unrelated causes or at another facility. In the future, refinement to include this data is needed. The general public should be aware that death within 30 days in no way reflects care or quality of services provided by an institution. Angel Community Hospital's death rates included cases in which the patient was discharged alive, but within the following 30 days died at home or at another hospital. ACH did not have any contact during the 30 days following discharge.

Thank you for the opportunity to comment and make suggestions to improve information.

Sincerely,

Carolyn Riley, Administrator

iverview Street P.O. Box 1209 Tel. 704-524-8411

ANNIE PENN MEMORIAL HOSP-

618 S MAIN ST
REIDSVILLE, NC 27320

Medicare Hospital Provider Number: 340007

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	811	13	10 - 16	799	19	11 - 17
Cancer	23	39	24 - 64	21	24	22 - 60
Cerebrovascular Accidents	45	20	15 - 40	67	28	17 - 40
Gastrointestinal Catastrophes	6	17	6 - 69	8	63	10 - 71
Infectious Disease	8	38	8 - 70	12	25	12 - 62
Metabolic/Electrolyte Disorders	27	33	13 - 51	21	19	7 - 46
Pulmonary Disease	77	26	15 - 37	71	45	13 - 39
Renal Failure	3	33	4 - 87	5	80	18 - 90
Severe Acute Heart Disease	39	31	23 - 53	35	46	25 - 58
Severe Chronic Heart Disease	46	17	11 - 35	52	25	10 - 35
Severe Trauma	1	0	0 - 98	2	0	1 - 91
Gastrointestinal Disease	53	0	0 - 12	44	9	0 - 62
Gynecologic Disease	8	0	0 -100	10	0	0 -100
Low-Risk Heart Disease	95	4	0 - 14	103	2	1 - 9
Musculoskeletal/Skin Conditions	61	3	0 - 22	42	2	0 - 78
Neuropsychiatric/Sensory Disease	22	0	0 - 75	16	0	0 -100
Urologic Disease	17	0	0 -100	24	4	0 - 93

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	152
Occupancy Rate (%):	59
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	37
Percent of Physicians Who Are Board Certified Specialists:	62
Interns and Residents:	0
Registered Nurses:	85
Licensed Practical Nurses:	11

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ANSON CO HOSP

500 MORVEN ROAD
WADESBORO, NC 28170

Medicare Hospital Provider Number: 340084

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	361	12	13 - 21	410	17	13 - 21
Cancer	5	40	12 - 83	4	75	10 - 84
Cerebrovascular Accidents	30	13	17 - 44	37	27	17 - 47
Gastrointestinal Catastrophes	1	0	1 - 97	2	50	1 - 93
Infectious Disease	5	20	15 - 82	7	0	14 - 60
Metabolic/Electrolyte Disorders	2	50	0 - 95	2	50	0 - 95
Pulmonary Disease	52	21	16 - 41	67	28	14 - 38
Renal Failure	4	50	9 - 87	2	100	5 - 90
Severe Acute Heart Disease	22	45	28 - 68	33	52	27 - 61
Severe Chronic Heart Disease	29	17	8 - 38	42	10	10 - 31
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	29	0	1 - 17	27	4	0 - 47
Gynecologic Disease	4	0	0 -100	0	-	-
Low-Risk Heart Disease	51	2	1 - 15	47	2	1 - 16
Musculoskeletal/Skin Conditions	19	0	1 - 29	11	0	0 - 99
Neuropsychiatric/Sensory Disease	3	0	0 -100	9	11	0 - 88
Urologic Disease	20	0	1 - 26	7	14	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	97
Occupancy Rate (%):	74
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	17
Percent of Physicians Who Are Board Certified Specialists:	47
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ASHE MEMORIAL HOSP

HWY 221 S BOX 8
JEFFERSON, NC 28640

Medicare Hospital Provider Number: 340072

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	492	15	11 - 19	435	15	10 - 18
Cancer	13	38	23 - 73	10	30	22 - 76
Cerebrovascular Accidents	23	30	14 - 52	16	44	11 - 57
Gastrointestinal Catastrophes	3	67	1 - 88	3	33	1 - 91
Infectious Disease	12	25	17 - 66	5	20	13 - 80
Metabolic/Electrolyte Disorders	11	18	15 - 64	6	67	4 - 73
Pulmonary Disease	49	27	17 - 44	46	28	15 - 43
Renal Failure	2	0	6 - 91	2	50	2 - 92
Severe Acute Heart Disease	25	32	21 - 58	18	56	22 - 66
Severe Chronic Heart Disease	24	38	11 - 49	23	13	11 - 41
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	49	4	0 - 24	41	2	1 - 20
Gynecologic Disease	6	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	71	3	1 - 13	65	5	1 - 16
Musculoskeletal/Skin Conditions	25	4	0 - 78	23	0	0 - 52
Neuropsychiatric/Sensory Disease	18	6	0 - 84	13	0	1 - 40
Urologic Disease	3	0	0 - 97	5	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	55
Occupancy Rate (%):	35
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	44
Percent of Physicians Who Are Board Certified Specialists:	36
Interns and Residents:	0
Registered Nurses:	22
Licensed Practical Nurses:	19

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BEAUFORT CO HOSP

628 E 12TH ST
WASHINGTON, NC 27889

Medicare Hospital Provider Number: 340038

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	930	15	10 - 15	955	15	11 - 17
Cancer	19	26	17 - 57	34	47	17 - 52
Cerebrovascular Accidents	38	42	10 - 42	65	25	18 - 40
Gastrointestinal Catastrophes	3	67	4 - 86	9	56	9 - 69
Infectious Disease	19	32	13 - 56	17	41	13 - 59
Metabolic/Electrolyte Disorders	12	42	6 - 61	10	40	4 - 64
Pulmonary Disease	54	15	14 - 36	74	39	13 - 38
Renal Failure	7	86	13 - 75	3	67	8 - 91
Severe Acute Heart Disease	54	35	24 - 51	74	32	25 - 48
Severe Chronic Heart Disease	72	31	13 - 36	54	31	15 - 41
Severe Trauma	0	-	-	1	100	1 - 97
Gastrointestinal Disease	90	6	0 - 18	57	0	0 - 10
Gynecologic Disease	7	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	89	3	1 - 12	102	1	1 - 8
Musculoskeletal/Skin Conditions	51	0	0 - 12	44	5	0 - 37
Neuropsychiatric/Sensory Disease	11	9	0 - 98	18	0	0 - 67
Urologic Disease	54	0	0 - 19	58	0	0 - 12

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	117
Occupancy Rate (%):	48
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	40
Percent of Physicians Who Are Board Certified Specialists:	80
Interns and Residents:	0
Registered Nurses:	82
Licensed Practical Nurses:	47

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BERTIE MEMORIAL HOSP

401 STERLINGWORTH ST
WINDSOR, NC 27983

Medicare Hospital Provider Number: 340101

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	114	21	9 - 25	102	24	11 - 28
Cancer	3	100	8 - 81	3	100	17 - 90
Cerebrovascular Accidents	5	40	5 - 77	9	56	9 - 68
Gastrointestinal Catastrophes	0	-	-	1	0	0 - 98
Infectious Disease	2	50	6 - 95	5	80	15 - 82
Metabolic/Electrolyte Disorders	5	20	6 - 75	3	0	3 - 79
Pulmonary Disease	6	17	6 - 69	12	0	11 - 42
Renal Failure	4	50	8 - 86	0	-	-
Severe Acute Heart Disease	2	100	5 - 89	3	67	4 - 86
Severe Chronic Heart Disease	12	33	3 - 58	11	18	6 - 55
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	6	0	0 - 98	1	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	18	0	0 - 34	6	0	0 -100
Musculoskeletal/Skin Conditions	6	0	0 -100	4	0	0 -100
Neuropsychiatric/Sensory Disease	1	0	0 -100	1	0	0 -100
Urologic Disease	1	0	0 -100	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	24
Occupancy Rate (%):	33
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	8
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	9
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BETSY JOHNSON MEMORIAL HOSP-

800 TILGHMAN DR
DUNN, NC 28334

Medicare Hospital Provider Number: 340071

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	540	13	8 - 15	558	15	8 - 15
Cancer	6	83	15 - 75	3	100	8 - 81
Cerebrovascular Accidents	18	39	14 - 57	17	35	7 - 52
Gastrointestinal Catastrophes	7	43	7 - 72	6	17	4 - 69
Infectious Disease	8	13	7 - 61	7	71	7 - 70
Metabolic/Electrolyte Disorders	8	38	2 - 70	5	20	0 - 92
Pulmonary Disease	46	24	16 - 43	45	31	11 - 40
Renal Failure	1	100	1 - 97	2	50	3 - 93
Severe Acute Heart Disease	32	34	22 - 56	38	47	22 - 54
Severe Chronic Heart Disease	22	9	9 - 38	35	31	11 - 43
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	44	2	0 - 32	50	0	0 - 13
Gynecologic Disease	4	0	0 -100	10	0	0 -100
Low-Risk Heart Disease	91	4	0 - 15	57	2	1 - 13
Musculoskeletal/Skin Conditions	27	0	0 - 35	30	7	0 - 92
Neuropsychiatric/Sensory Disease	14	0	0 - 65	16	6	0 - 92
Urologic Disease	31	6	0 - 72	30	3	0 - 47

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 93
Occupancy Rate (%): 47
Ownership/Control: Local Government

STAFFING

Total Number of Physicians: 31
Percent of Physicians Who Are Board Certified Specialists: 77
Interns and Residents: 0
Registered Nurses: 63
Licensed Practical Nurses: 21

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: No

BLACKWELDER MEMORIAL HOSP

111 BOUNDARY ST SW
LENOIR, NC 28645

Medicare Hospital Provider Number: 340026

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	156	6	7 - 15	146	8	6 - 16
Cancer	1	0	0 - 98	0	-	-
Cerebrovascular Accidents	5	20	4 - 74	6	50	4 - 74
Gastrointestinal Catastrophes	1	100	2 - 97	0	-	-
Infectious Disease	0	-	-	3	0	2 - 80
Metabolic/Electrolyte Disorders	2	0	0 - 99	4	0	0 - 81
Pulmonary Disease	19	5	11 - 39	22	14	8 - 41
Renal Failure	2	0	10 - 96	0	-	-
Severe Acute Heart Disease	0	-	-	4	75	7 - 81
Severe Chronic Heart Disease	9	22	7 - 62	6	0	6 - 57
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	17	12	0 - 88	10	0	0 - 95
Gynecologic Disease	2	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	24	0	0 - 45	22	0	0 - 37
Musculoskeletal/Skin Conditions	7	0	0 - 99	14	0	0 -100
Neuropsychiatric/Sensory Disease	3	0	0 -100	2	0	0 -100
Urologic Disease	9	0	0 - 79	10	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	35
Occupancy Rate (%):	37
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BLADEN CO HOSP

HOSPITAL DR BOX 398
ELIZABETHTOWN, NC 28337

Medicare Hospital Provider Number: 340022

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	372	18	11 - 20	404	14	10 - 17
Cancer	8	63	18 - 78	13	62	23 - 73
Cerebrovascular Accidents	17	35	13 - 57	18	17	13 - 50
Gastrointestinal Catastrophes	4	75	4 - 80	4	25	11 - 84
Infectious Disease	7	29	9 - 72	10	20	12 - 63
Metabolic/Electrolyte Disorders	10	40	5 - 64	10	20	4 - 59
Pulmonary Disease	54	30	14 - 40	36	25	10 - 40
Renal Failure	2	50	7 - 99	5	20	8 - 80
Severe Acute Heart Disease	23	35	17 - 56	17	47	21 - 66
Severe Chronic Heart Disease	22	36	9 - 49	19	21	5 - 45
Severe Trauma	1	100	2 - 97	0	-	-
Gastrointestinal Disease	27	0	0 - 48	27	0	0 - 29
Gynecologic Disease	2	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	51	2	0 - 17	67	3	0 - 18
Musculoskeletal/Skin Conditions	11	0	0 - 56	18	0	0 - 77
Neuropsychiatric/Sensory Disease	5	0	0 - 99	6	0	0 -100
Urologic Disease	9	0	0 -100	4	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	52
Occupancy Rate (%):	54
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	11
Percent of Physicians Who Are Board Certified Specialists:	82
Interns and Residents:	0
Registered Nurses:	38
Licensed Practical Nurses:	8

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BLOWING ROCK HOSP

CHESTNUT DR BOX 148
BLOWING ROCK, NC 28605

Medicare Hospital Provider Number: 340045

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	124	15	9 - 22	117	21	9 - 24
Cancer	0	-	-	1	100	1 - 97
Cerebrovascular Accidents	6	17	6 - 68	5	40	10 - 80
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	1	0	1 - 97	4	0	7 - 72
Metabolic/Electrolyte Disorders	4	50	5 - 82	3	33	3 - 86
Pulmonary Disease	18	39	15 - 59	13	62	17 - 66
Renal Failure	1	0	0 - 98	1	100	3 - 99
Severe Acute Heart Disease	4	75	13 - 86	9	44	12 - 70
Severe Chronic Heart Disease	9	33	3 - 65	2	50	1 - 94
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	7	0	0 - 91	8	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	20	5	0 - 70	23	0	0 - 32
Musculoskeletal/Skin Conditions	8	0	0 -100	6	17	0 - 99
Neuropsychiatric/Sensory Disease	10	10	1 - 59	5	0	0 - 99
Urologic Disease	8	13	0 - 87	12	8	0 - 73

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 100
Occupancy Rate (%): 87
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 5
Percent of Physicians Who Are Board Certified Specialists: 80
Interns and Residents: 0
Registered Nurses: 6
Licensed Practical Nurses: 5

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

BLUE RIDGE HOSP SYSTEM

125 HOSPITAL DR BOX 9
SPRUCE PINE, NC 28777

Medicare Hospital Provider Number: 340011

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	617	11	11 - 17	624	12	11 - 17
Cancer	7	71	18 - 79	18	72	25 - 67
Cerebrovascular Accidents	25	24	14 - 48	27	33	16 - 52
Gastrointestinal Catastrophes	5	0	13 - 70	1	100	0 - 98
Infectious Disease	7	43	12 - 76	15	20	13 - 57
Metabolic/Electrolyte Disorders	18	28	9 - 53	18	6	12 - 44
Pulmonary Disease	69	25	18 - 41	62	21	18 - 41
Renal Failure	2	100	11 - 97	0	-	-
Severe Acute Heart Disease	23	43	22 - 61	27	37	22 - 58
Severe Chronic Heart Disease	47	17	14 - 37	37	16	13 - 39
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	33	0	1 - 15	43	5	0 - 31
Gynecologic Disease	1	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	87	2	1 - 10	86	0	1 - 7
Musculoskeletal/Skin Conditions	64	0	1 - 9	75	0	1 - 8
Neuropsychiatric/Sensory Disease	29	0	0 - 34	22	0	0 - 53
Urologic Disease	19	0	0 - 70	13	0	0 - 52

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 92
Occupancy Rate (%): 37
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 19
Percent of Physicians Who Are Board Certified Specialists: 89
Interns and Residents: 0
Registered Nurses: 50
Licensed Practical Nurses: 36

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: No

BROUGHTON HOSP- MEDICAL UNIT

1000 S STERLING ST
MORGANTON, NC 28655

Medicare Hospital Provider Number: 340137

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	119	11	7 - 19	141	10	5 - 16
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	1	0	0 - 97	1	0	0 - 99
Gastrointestinal Catastrophes	1	0	1 - 97	3	0	3 - 79
Infectious Disease	0	-	-	1	0	0 -100
Metabolic/Electrolyte Disorders	1	0	2 - 97	7	14	1 - 74
Pulmonary Disease	18	22	5 - 47	11	36	4 - 61
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	9	56	15 - 73	7	29	13 - 74
Severe Chronic Heart Disease	2	0	2 - 88	3	67	1 - 89
Severe Trauma	1	0	0 -100	0	-	-
Gastrointestinal Disease	4	0	0 -100	9	0	0 -100
Gynecologic Disease	1	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	20	5	0 - 73	23	4	0 - 38
Musculoskeletal/Skin Conditions	3	0	0 -100	4	0	0 -100
Neuropsychiatric/Sensory Disease	5	0	0 -100	6	0	0 -100
Urologic Disease	2	0	0 -100	4	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	44
Ownership/Control:	State Government

STAFFING

Interns and Residents:	0
Registered Nurses:	18
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

C J HARRIS COMMUNITY HOSP- INC

59 HOSPITAL RD
SYLVA, NC 28779

Medicare Hospital Provider Number: 340016

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	744	12	8 - 14	696	10	8 - 14
Cancer	11	45	22 - 76	18	56	23 - 68
Cerebrovascular Accidents	30	33	13 - 47	28	25	12 - 45
Gastrointestinal Catastrophes	8	38	9 - 70	4	0	4 - 71
Infectious Disease	12	8	20 - 61	11	9	11 - 55
Metabolic/Electrolyte Disorders	7	14	5 - 64	2	0	0 - 93
Pulmonary Disease	46	24	13 - 40	47	21	14 - 40
Renal Failure	3	0	6 - 82	6	67	20 - 92
Severe Acute Heart Disease	23	43	17 - 57	26	27	20 - 55
Severe Chronic Heart Disease	39	26	10 - 39	24	29	10 - 47
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	59	3	0 - 20	71	1	0 - 12
Gynecologic Disease	16	0	0 -100	21	0	0 -100
Low-Risk Heart Disease	78	3	1 - 11	78	1	1 - 10
Musculoskeletal/Skin Conditions	78	1	0 - 14	59	2	0 - 18
Neuropsychiatric/Sensory Disease	20	0	0 - 35	18	0	0 - 94
Urologic Disease	55	5	0 - 77	61	2	0 - 29

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	69
Occupancy Rate (%):	62
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	32
Percent of Physicians Who Are Board Certified Specialists:	75
Interns and Residents:	0
Registered Nurses:	67
Licensed Practical Nurses:	40

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

CABARRUS MEMORIAL HOSP-

920 CHURCH ST N
CONCORD, NC 28025

Medicare Hospital Provider Number: 340001

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,714	10	10 - 14	2,741	12	10 - 14
Cancer	84	33	27 - 51	100	51	28 - 52
Cerebrovascular Accidents	142	16	19 - 33	146	29	18 - 35
Gastrointestinal Catastrophes	25	28	13 - 52	23	35	16 - 57
Infectious Disease	9	33	12 - 70	14	50	12 - 62
Metabolic/Electrolyte Disorders	41	27	14 - 46	41	27	11 - 43
Pulmonary Disease	187	18	16 - 32	207	18	16 - 31
Renal Failure	7	57	9 - 78	7	29	10 - 78
Severe Acute Heart Disease	110	40	29 - 50	111	31	28 - 47
Severe Chronic Heart Disease	187	18	16 - 29	166	20	15 - 29
Severe Trauma	1	0	0 -100	2	50	0 - 96
Gastrointestinal Disease	231	3	1 - 7	201	2	1 - 7
Gynecologic Disease	29	0	0 -100	31	0	0 -100
Low-Risk Heart Disease	308	4	1 - 6	329	4	2 - 6
Musculoskeletal/Skin Conditions	254	2	0 - 7	221	2	1 - 6
Neuropsychiatric/Sensory Disease	38	3	0 - 54	69	6	0 - 22
Urologic Disease	119	1	0 - 8	106	4	0 - 16

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	360
Occupancy Rate (%):	63
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	85
Percent of Physicians Who Are Board Certified Specialists:	79
Interns and Residents:	0
Registered Nurses:	236
Licensed Practical Nurses:	33

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

CALDWELL MEMORIAL HOSP-

321 MULBERRY ST SW
LENOIR, NC 28645

Medicare Hospital Provider Number: 340041

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,001	13	11 - 16	1,008	13	10 - 16
Cancer	19	37	23 - 66	25	44	24 - 63
Cerebrovascular Accidents	43	26	17 - 44	41	20	17 - 43
Gastrointestinal Catastrophes	7	0	6 - 54	6	50	13 - 80
Infectious Disease	15	47	11 - 61	20	35	14 - 57
Metabolic/Electrolyte Disorders	12	33	6 - 60	14	7	4 - 45
Pulmonary Disease	81	25	17 - 38	98	23	14 - 34
Renal Failure	10	60	18 - 81	9	33	6 - 72
Severe Acute Heart Disease	70	47	28 - 53	53	38	27 - 54
Severe Chronic Heart Disease	42	24	12 - 39	53	21	11 - 35
Severe Trauma	3	33	1 - 88	0	-	-
Gastrointestinal Disease	78	1	1 - 10	72	3	0 - 16
Gynecologic Disease	5	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	137	4	1 - 9	128	4	1 - 10
Musculoskeletal/Skin Conditions	63	2	1 - 13	66	3	0 - 27
Neuropsychiatric/Sensory Disease	22	5	0 - 68	22	5	0 - 89
Urologic Disease	43	5	0 - 57	41	0	0 - 27

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 103
Occupancy Rate (%): 68
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 61
Percent of Physicians Who Are Board Certified Specialists: 62
Interns and Residents: 0
Registered Nurses: 77
Licensed Practical Nurses: 48

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

CAPE FEAR MEMORIAL HOSP INC

5301 WRIGHTSVILLE AV
WILMINGTON, NC 28403

Medicare Hospital Provider Number: 340094

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	730	13	9 - 15	792	11	9 - 15
Cancer	17	53	15 - 62	23	43	20 - 60
Cerebrovascular Accidents	23	26	12 - 48	48	29	16 - 43
Gastrointestinal Catastrophes	9	11	16 - 65	6	50	5 - 75
Infectious Disease	18	44	14 - 59	14	21	13 - 59
Metabolic/Electrolyte Disorders	11	18	6 - 57	11	36	8 - 63
Pulmonary Disease	56	29	13 - 39	50	24	11 - 37
Renal Failure	9	44	13 - 78	4	0	9 - 77
Severe Acute Heart Disease	34	50	23 - 57	36	47	25 - 58
Severe Chronic Heart Disease	45	33	11 - 40	31	13	12 - 38
Severe Trauma	1	100	1 - 97	0	-	-
Gastrointestinal Disease	56	0	0 - 12	58	2	0 - 17
Gynecologic Disease	5	0	0 -100	12	0	0 -100
Low-Risk Heart Disease	88	1	1 - 9	94	2	1 - 10
Musculoskeletal/Skin Conditions	66	2	0 - 16	85	1	0 - 17
Neuropsychiatric/Sensory Disease	7	0	0 -100	35	0	0 - 19
Urologic Disease	33	0	0 - 76	28	0	0 - 82

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 109
Occupancy Rate (%): 47
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 73
Percent of Physicians Who Are Board Certified Specialists: 88
Interns and Residents: 0
Registered Nurses: 102
Licensed Practical Nurses: 3

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

CAPE FEAR VALLEY MEDICAL CENTER

P.O. BOX 2000 1638 OWEN DRIVE
FAYETTEVILLE, NC 28302

Medicare Hospital Provider Number: 340028

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,610	16	9 - 14	1,461	13	9 - 14
Cancer	59	49	27 - 55	48	42	27 - 57
Cerebrovascular Accidents	91	41	15 - 37	64	31	15 - 39
Gastrointestinal Catastrophes	13	23	8 - 57	17	18	6 - 49
Infectious Disease	44	45	18 - 50	35	46	19 - 55
Metabolic/Electrolyte Disorders	15	33	12 - 60	18	17	11 - 51
Pulmonary Disease	68	32	14 - 39	64	25	13 - 37
Renal Failure	15	33	9 - 66	14	14	12 - 66
Severe Acute Heart Disease	51	41	24 - 52	42	38	23 - 53
Severe Chronic Heart Disease	66	27	12 - 35	69	28	11 - 34
Severe Trauma	3	33	1 - 89	10	20	9 - 62
Gastrointestinal Disease	88	9	1 - 19	92	4	1 - 13
Gynecologic Disease	24	0	0 -100	20	5	0 -100
Low-Risk Heart Disease	177	5	1 - 9	162	4	1 - 9
Musculoskeletal/Skin Conditions	110	5	0 - 18	89	4	0 - 23
Neuropsychiatric/Sensory Disease	137	2	0 - 11	116	2	0 - 19
Urologic Disease	75	1	0 - 26	94	1	0 - 11

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 425
Occupancy Rate (%): 82
Ownership/Control: Local Government

STAFFING

Total Number of Physicians: 169
Percent of Physicians Who Are Board Certified Specialists: 85
Interns and Residents: 0
Registered Nurses: 251
Licensed Practical Nurses: 132

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

CARTERET CO GENERAL HOSP

3500 ARENDELL ST
MOREHEAD CITY, NC 28557

Medicare Hospital Provider Number: 340142

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	978	12	9 - 14	848	13	9 - 15
Cancer	33	52	27 - 62	32	44	21 - 56
Cerebrovascular Accidents	42	33	13 - 42	34	18	11 - 39
Gastrointestinal Catastrophes	9	44	6 - 67	10	40	8 - 66
Infectious Disease	11	36	10 - 64	16	25	13 - 57
Metabolic/Electrolyte Disorders	11	9	8 - 53	5	20	3 - 75
Pulmonary Disease	43	37	13 - 44	38	18	11 - 38
Renal Failure	3	67	8 - 90	7	43	6 - 77
Severe Acute Heart Disease	50	28	21 - 48	57	47	25 - 52
Severe Chronic Heart Disease	58	24	14 - 37	44	18	9 - 34
Severe Trauma	1	0	1 - 97	2	0	4 - 89
Gastrointestinal Disease	104	1	1 - 8	73	1	1 - 11
Gynecologic Disease	12	0	0 -100	12	0	0 -100
Low-Risk Heart Disease	124	3	1 - 9	121	3	1 - 10
Musculoskeletal/Skin Conditions	68	6	0 - 22	76	1	0 - 13
Neuropsychiatric/Sensory Disease	29	0	0 - 36	14	7	0 - 68
Urologic Disease	48	2	0 - 36	29	0	0 - 25

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	117
Occupancy Rate (%):	68
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	39
Percent of Physicians Who Are Board Certified Specialists:	64
Interns and Residents:	0
Registered Nurses:	86
Licensed Practical Nurses:	28

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

CATAWBA MEMORIAL HOSP

FAIRGROVE CHURCH ROAD SE
HICKORY, NC 28602

Medicare Hospital Provider Number: 340143

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,143	13	9 - 15	1,109	13	10 - 15
Cancer	51	55	29 - 59	50	46	30 - 61
Cerebrovascular Accidents	48	25	14 - 40	41	17	13 - 38
Gastrointestinal Catastrophes	12	25	13 - 63	6	50	10 - 78
Infectious Disease	23	48	15 - 57	21	33	13 - 55
Metabolic/Electrolyte Disorders	13	38	5 - 59	16	38	11 - 58
Pulmonary Disease	62	19	16 - 38	84	27	15 - 37
Renal Failure	7	29	8 - 75	6	50	9 - 81
Severe Acute Heart Disease	50	48	23 - 52	49	39	24 - 52
Severe Chronic Heart Disease	47	28	11 - 38	42	26	10 - 38
Severe Trauma	1	0	0 - 99	2	0	3 - 88
Gastrointestinal Disease	86	5	0 - 16	93	4	0 - 15
Gynecologic Disease	7	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	106	3	1 - 10	90	4	1 - 14
Musculoskeletal/Skin Conditions	73	3	0 - 21	59	3	0 - 27
Neuropsychiatric/Sensory Disease	98	2	0 - 13	94	1	0 - 15
Urologic Disease	70	1	0 - 26	49	0	0 - 40

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 204
Occupancy Rate (%): 58
Ownership/Control: Local Government

STAFFING

Total Number of Physicians: 103
Percent of Physicians Who Are Board Certified Specialists: 78
Interns and Residents: 0
Registered Nurses: 250
Licensed Practical Nurses: 33

SPECIALTY SERVICES

Shock/Trauma Unit: Yes
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

CENTRAL CAROLINA HOSP

1135 CARTHAGE ST
SANFORD, NC 27330

Medicare Hospital Provider Number: 340020

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	896	10	8 - 13	750	14	9 - 15
Cancer	13	31	14 - 63	15	73	22 - 67
Cerebrovascular Accidents	33	21	15 - 44	44	36	15 - 44
Gastrointestinal Catastrophes	7	29	6 - 70	7	14	7 - 65
Infectious Disease	7	57	8 - 73	4	0	7 - 72
Metabolic/Electrolyte Disorders	6	17	5 - 69	12	17	8 - 56
Pulmonary Disease	55	16	13 - 35	47	21	12 - 38
Renal Failure	5	60	11 - 85	8	75	17 - 82
Severe Acute Heart Disease	37	35	26 - 57	44	36	23 - 52
Severe Chronic Heart Disease	44	25	12 - 38	29	24	8 - 41
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	66	9	0 - 29	61	3	1 - 16
Gynecologic Disease	15	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	101	1	1 - 8	90	2	1 - 11
Musculoskeletal/Skin Conditions	68	3	0 - 21	60	3	0 - 50
Neuropsychiatric/Sensory Disease	34	3	0 - 43	22	5	0 - 92
Urologic Disease	63	0	0 - 21	51	2	0 - 62

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1988

Total Beds (#):	137
Ownership/Control:	Private, For Profit

STAFFING

Interns and Residents:	0
Registered Nurses:	64
Licensed Practical Nurses:	35

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	Yes

CHARLES A CANNON JR MEMORIAL HOSP

HIGHWAY 184
BANNER ELK , NC 28604

Medicare Hospital Provider Number: 340005

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	326	10	7 - 15	301	10	8 - 16
Cancer	5	80	12 - 78	5	20	11 - 78
Cerebrovascular Accidents	11	27	4 - 58	8	13	8 - 60
Gastrointestinal Catastrophes	5	20	3 - 75	0	-	-
Infectious Disease	4	50	7 - 84	5	20	13 - 79
Metabolic/Electrolyte Disorders	3	0	2 - 81	0	-	-
Pulmonary Disease	27	22	12 - 45	35	23	15 - 45
Renal Failure	2	0	3 - 89	0	-	-
Severe Acute Heart Disease	9	22	15 - 68	12	25	15 - 63
Severe Chronic Heart Disease	14	14	9 - 50	12	8	8 - 48
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	23	4	0 - 59	15	0	0 - 73
Gynecologic Disease	1	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	42	5	0 - 40	39	10	0 - 47
Musculoskeletal/Skin Conditions	44	2	0 - 22	33	3	0 - 69
Neuropsychiatric/Sensory Disease	12	0	0 - 99	5	0	0 -100
Urologic Disease	2	0	0 -100	5	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	79
Occupancy Rate (%):	47
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	13
Percent of Physicians Who Are Board Certified Specialists:	77
Interns and Residents:	0
Registered Nurses:	31
Licensed Practical Nurses:	15

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

CHARLOTTE MEMORIAL HOSP MEDICAL CTR

1000 BLYTHE BLVD
CHARLOTTE, NC 28232

Medicare Hospital Provider Number: 340113

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,899	13	10 - 14	3,864	14	11 - 15
Cancer	167	34	29 - 49	183	43	27 - 48
Cerebrovascular Accidents	199	26	17 - 31	169	24	17 - 32
Gastrointestinal Catastrophes	26	46	15 - 56	29	59	13 - 52
Infectious Disease	47	43	18 - 50	48	46	17 - 49
Metabolic/Electrolyte Disorders	56	25	9 - 38	53	30	9 - 40
Pulmonary Disease	140	26	15 - 33	167	22	15 - 31
Renal Failure	63	32	8 - 55	53	25	11 - 58
Severe Acute Heart Disease	291	24	26 - 40	283	29	28 - 42
Severe Chronic Heart Disease	165	19	15 - 29	157	25	15 - 30
Severe Trauma	13	38	7 - 61	19	26	13 - 57
Gastrointestinal Disease	155	7	1 - 12	134	4	1 - 10
Gynecologic Disease	23	0	0 -100	28	0	0 -100
Low-Risk Heart Disease	706	3	2 - 5	688	5	2 - 6
Musculoskeletal/Skin Conditions	198	6	0 - 11	214	3	0 - 7
Neuropsychiatric/Sensory Disease	92	9	1 - 18	71	6	0 - 23
Urologic Disease	124	2	0 - 14	145	3	0 - 14

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	843
Occupancy Rate (%):	72
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	591
Percent of Physicians Who Are Board Certified Specialists:	83
Interns and Residents:	120
Registered Nurses:	1,177
Licensed Practical Nurses:	156

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	Yes
Hospice Care:	No

Charlotte Memorial Hospital
& Medical Center, Inc.

A Facility of The Charlotte-Mecklenburg Hospital Authority

Post Office Box 32861
Charlotte, North Carolina 28232-2861
Telephone 704 338-2000

Harry Nurkin, Ph.D.
President

Medicare Provider Number 340113

Charlotte Memorial Hospital & Medical Center appreciates the opportunity to present our response to the 1987 HCFA (Health Care Financing Administration) mortality information to be published in December, 1988.

The medical center is also pleased to see that its mortality rate for all 16 diagnostic categories reviewed by HCFA falls well or below within the predicted range called "acceptable" by this division of the Department of Health and Human Services.

Nevertheless, we would like to make a couple of observations.

The letter from HCFA (Health Care Financing Administration) advising Charlotte Memorial Hospital and Medical Center of the 1987 mortality statistics states again "HCFA will stress that the information by itself is not a complete measure of the quality of care at an individual hospital. While we believe that information on hospital mortality rates is useful, until we have developed additional statistical measures to deal with complex issues such as severity of illness, we cannot and do not recommend the use of information by itself to make judgments about the quality of care in an individual hospital or to make comparisons among hospitals. Individual hospitals may have very good reasons for their rates being higher than the range predicted by HCFA's model." (William L. Roper, M.D., Administrator, HCFA) According to the case mix index published in the Federal Register, Charlotte Memorial Hospital & Medical Center has the highest Medicare intensity (1.7059) of any full service hospital in North Carolina. ("Intensity" is the measure of the severity of the illness of the patient. For instance, an elective surgery patient would have a lower "intensity" than a trauma patient.) However, this is an example of the information that is not included in adjusting for our mortality rate.

The mortality rates to be published by HCFA are based on the number of patients who either died at a facility, or who died within 30 days of discharge from that facility. So, hypothetically if a patient was discharged, and was killed in an auto accident two weeks later, that patient's death would still be counted against the medical facility which discharged him in good health.

Also, included in the medical center's statistics are those critically ill patients who were transferred from other hospitals in the region for specialized or follow-up care available here. Also included are patients who died from other illnesses, which have little or no relationship to the previous hospital stay, or to matters unrelated to institutional care at all, (again, an auto accident, perhaps). Also included in the statistics are patients who were admitted to the medical center as terminally ill individuals, whose families perhaps preferred the supportive care available here to a home environment. The effect of HCFA's publication of these mortality rates as measures of quality, despite the obvious weaknesses in its data, is one which may conceivably encourage some facilities from accepting critically and terminally ill patients because of the risk of unrealistic representation in HCFA's public study.

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Unfortunately, HCFA's data does not reflect the numbers of times a patient may have been treated at a hospital, regardless of the number of previous admissions, each patient is only counted as one case. For instance, statistics maintained at Charlotte Memorial Hospital & Medical Center indicate that in 1987 there were 5,917 patient visits, compared to the 3,899 cases listed by HCFA for the same time period.

A case-by-case review of the patients admitted to Charlotte Memorial Hospital & Medical Center during 1987 has been conducted and compared to HCFA's reported cases. In many cases, patients admitted and/or transferred to the medical center were diagnosed with terminal diseases, and in many cases they, or their families elected terminal/supportive care. Nevertheless, by including these cases in the numbers of deaths assigned our facility in its published data, HCFA maintains that even these circumstances reflect the quality of care at this institution. We maintain quite the opposite.

Most importantly, until HCFA is able to develop a methodology which truly reflects the acuity and severity of illness of any facility's patient population, particularly those at a regional referral medical center like our own, the data cannot be considered a fully accurate measure of quality of care.

The evaluation of quality of patient care is an ongoing effort at medical centers like our own, including monthly and quarterly review of all cases by peer groups of physicians, quality review professionals, board members and countless other health care providers. It is not just a matter of annual review of mortality information alone, but a myriad of many other important indicators of good patient care.

Charlotte Memorial Hospital & Medical Center does appreciate the opportunity to review and respond to the data HFCA plans to make public. Even though our medical center does not exceed any of the "acceptable" mortality rate ranges predicted by HCFA, we feel it is our responsibility to share our concerns regarding the inherent flaws in a system whose overall goal of providing a barometer of quality patient care is an admirable one. We hope the Health Care Financing Administration will continue to seek our input, and will take measures to refine the current system by which it gathers its data and draws it conclusions.

CHATHAM HOSP INC

W THIRD & IVEY STREETS
SILER CITY, NC 27344

Medicare Hospital Provider Number: 340111

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	391	16	13 - 21	397	16	12 - 20
Cancer	3	100	6 - 80	6	50	8 - 76
Cerebrovascular Accidents	26	23	13 - 47	27	22	14 - 47
Gastrointestinal Catastrophes	1	100	3 - 99	1	100	2 - 97
Infectious Disease	19	21	17 - 56	14	50	13 - 64
Metabolic/Electrolyte Disorders	10	0	5 - 44	9	11	6 - 57
Pulmonary Disease	63	25	16 - 40	63	17	16 - 38
Renal Failure	2	50	7 - 99	3	67	4 - 88
Severe Acute Heart Disease	29	41	27 - 62	28	50	23 - 60
Severe Chronic Heart Disease	22	14	7 - 39	27	7	9 - 33
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	21	0	0 - 71	27	0	0 - 44
Gynecologic Disease	2	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	47	2	0 - 19	36	3	1 - 22
Musculoskeletal/Skin Conditions	8	0	0 -100	16	0	0 - 92
Neuropsychiatric/Sensory Disease	13	0	0 - 65	13	0	0 - 99
Urologic Disease	10	0	0 - 58	8	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	60
Occupancy Rate (%):	43
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	21
Percent of Physicians Who Are Board Certified Specialists:	43
Interns and Residents:	0
Registered Nurses:	23
Licensed Practical Nurses:	9

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

CHERRY HOSP- GENERAL MEDICAL

CALLER BOX 8000
GOLDSBORO, NC 27530

Medicare Hospital Provider Number: 340135

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	59	14	4 - 24	99	7	5 - 16
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	2	0	0 - 94	2	50	2 - 92
Gastrointestinal Catastrophes	1	0	1 - 97	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	6	0	3 - 59	6	0	3 - 59
Pulmonary Disease	11	9	6 - 50	17	12	8 - 44
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	1	0	0 - 99
Severe Chronic Heart Disease	1	100	0 - 97	1	100	0 - 99
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	0	-	-	3	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	7	14	0 - 99	3	0	0 -100
Musculoskeletal/Skin Conditions	2	0	0 -100	4	25	0 -100
Neuropsychiatric/Sensory Disease	11	27	0 -100	19	5	0 -100
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	45
Ownership/Control:	State Government

STAFFING

Interns and Residents:	0
Registered Nurses:	12
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

CHOWAN HOSP

VIRGINIA RD BOX 629
EDENTON, NC 27932

Medicare Hospital Provider Number: 340065

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	503	19	13 - 21	549	18	13 - 20
Cancer	17	59	19 - 64	21	62	22 - 64
Cerebrovascular Accidents	47	32	15 - 42	48	33	16 - 44
Gastrointestinal Catastrophes	3	67	6 - 87	5	20	10 - 78
Infectious Disease	12	33	18 - 69	6	50	7 - 76
Metabolic/Electrolyte Disorders	12	42	8 - 62	7	14	1 - 75
Pulmonary Disease	49	29	16 - 44	68	31	15 - 39
Renal Failure	1	100	1 - 97	2	50	6 - 95
Severe Acute Heart Disease	37	43	23 - 56	34	50	24 - 58
Severe Chronic Heart Disease	54	24	12 - 36	48	10	12 - 32
Severe Trauma	1	0	0 - 98	0	-	-
Gastrointestinal Disease	42	2	0 - 21	44	0	1 - 12
Gynecologic Disease	3	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	38	0	1 - 14	64	3	1 - 14
Musculoskeletal/Skin Conditions	28	4	0 - 50	25	4	0 - 49
Neuropsychiatric/Sensory Disease	13	0	0 - 78	10	0	0 -100
Urologic Disease	8	0	0 - 99	12	8	0 - 98

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	126
Occupancy Rate (%):	71
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	17
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	41
Licensed Practical Nurses:	18

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

CLEVELAND MEMORIAL HOSP- INC

201 GROVER ST
SHELBY, NC 28150

Medicare Hospital Provider Number: 340021

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,716	13	10 - 15	1,660	14	10 - 15
Cancer	46	65	29 - 59	78	47	29 - 55
Cerebrovascular Accidents	90	13	17 - 33	69	32	15 - 39
Gastrointestinal Catastrophes	23	39	17 - 58	17	29	11 - 56
Infectious Disease	34	26	17 - 50	28	25	21 - 56
Metabolic/Electrolyte Disorders	47	23	15 - 45	33	27	15 - 49
Pulmonary Disease	90	20	14 - 34	83	27	15 - 37
Renal Failure	9	56	12 - 77	12	50	17 - 78
Severe Acute Heart Disease	106	34	27 - 48	88	39	27 - 49
Severe Chronic Heart Disease	95	24	14 - 32	74	19	14 - 34
Severe Trauma	2	50	1 - 94	0	-	-
Gastrointestinal Disease	155	1	1 - 7	153	4	1 - 10
Gynecologic Disease	16	0	0 -100	36	0	0 -100
Low-Risk Heart Disease	203	4	1 - 8	226	4	1 - 8
Musculoskeletal/Skin Conditions	101	2	0 - 14	92	1	0 - 10
Neuropsychiatric/Sensory Disease	30	3	0 - 32	28	0	0 - 69
Urologic Disease	110	3	0 - 15	89	4	0 - 32

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 200
Occupancy Rate (%): 69
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 74
Percent of Physicians Who Are Board Certified Specialists: 80
Interns and Residents: 0
Registered Nurses: 137
Licensed Practical Nurses: 91

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: No

COLUMBUS CO HOSP INC

500 JEFFERSON ST
WHITEVILLE, NC 28472

Medicare Hospital Provider Number: 340068

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,209	11	11 - 16	1,212	14	11 - 16
Cancer	19	53	29 - 73	23	65	28 - 67
Cerebrovascular Accidents	61	20	18 - 39	52	21	18 - 42
Gastrointestinal Catastrophes	5	20	13 - 80	8	38	9 - 71
Infectious Disease	57	33	25 - 53	43	40	25 - 58
Metabolic/Electrolyte Disorders	3	0	2 - 80	7	14	4 - 65
Pulmonary Disease	89	22	17 - 37	112	27	16 - 36
Renal Failure	17	35	18 - 73	21	29	17 - 70
Severe Acute Heart Disease	35	49	26 - 59	50	42	24 - 52
Severe Chronic Heart Disease	74	19	14 - 34	56	25	10 - 34
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	70	4	1 - 17	57	5	0 - 25
Gynecologic Disease	2	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	256	3	2 - 7	273	3	1 - 6
Musculoskeletal/Skin Conditions	119	3	1 - 9	82	4	0 - 17
Neuropsychiatric/Sensory Disease	10	0	0 - 87	11	0	0 - 74
Urologic Disease	53	0	0 - 17	80	6	1 - 17

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	136
Occupancy Rate (%):	85
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	27
Percent of Physicians Who Are Board Certified Specialists:	78
Interns and Residents:	0
Registered Nurses:	110
Licensed Practical Nurses:	40

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

COMMUNITY GENERAL HOSP OF THOMASVILL

207 OLD LEXINGTON RD BOX 789
THOMASVILLE, NC 27360

Medicare Hospital Provider Number: 340085

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	858	12	9 - 14	786	16	9 - 15
Cancer	23	43	26 - 66	27	70	25 - 61
Cerebrovascular Accidents	57	26	14 - 39	36	22	14 - 42
Gastrointestinal Catastrophes	6	50	10 - 78	8	38	8 - 70
Infectious Disease	10	60	11 - 68	7	57	8 - 73
Metabolic/Electrolyte Disorders	11	9	4 - 51	17	12	7 - 45
Pulmonary Disease	34	26	12 - 43	35	26	7 - 39
Renal Failure	0	-	-	3	67	10 - 92
Severe Acute Heart Disease	63	33	22 - 47	56	50	24 - 52
Severe Chronic Heart Disease	43	14	9 - 32	43	26	10 - 38
Severe Trauma	0	-	-	2	50	1 - 93
Gastrointestinal Disease	82	4	0 - 16	68	3	0 - 18
Gynecologic Disease	9	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	72	4	0 - 19	74	4	1 - 15
Musculoskeletal/Skin Conditions	50	0	0 - 15	44	0	1 - 12
Neuropsychiatric/Sensory Disease	58	3	0 - 57	58	2	0 - 57
Urologic Disease	42	5	0 - 90	46	7	0 - 69

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	128
Occupancy Rate (%):	61
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	51
Percent of Physicians Who Are Board Certified Specialists:	76
Interns and Residents:	0
Registered Nurses:	104
Licensed Practical Nurses:	32

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

COMMUNITY HOSP OF ROCKY MOUNT

1031 NOELL LANE
ROCKY MOUNT, NC 27801

Medicare Hospital Provider Number: 340162

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	318	14	9 - 17	241	7	8 - 15
Cancer	9	56	14 - 72	3	67	9 - 89
Cerebrovascular Accidents	18	44	12 - 56	8	25	6 - 65
Gastrointestinal Catastrophes	3	67	3 - 86	6	0	6 - 59
Infectious Disease	5	20	5 - 74	5	60	9 - 80
Metabolic/Electrolyte Disorders	5	0	3 - 64	1	0	0 - 99
Pulmonary Disease	25	28	9 - 46	14	29	5 - 54
Renal Failure	2	100	4 - 89	1	0	2 -100
Severe Acute Heart Disease	16	44	23 - 69	13	23	15 - 61
Severe Chronic Heart Disease	18	28	7 - 49	16	0	8 - 32
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	31	3	0 - 64	12	0	0 -100
Gynecologic Disease	2	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	42	2	0 - 23	45	0	1 - 12
Musculoskeletal/Skin Conditions	29	0	0 - 33	26	0	0 - 69
Neuropsychiatric/Sensory Disease	4	0	0 -100	3	0	0 -100
Urologic Disease	9	0	0 -100	3	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	50
Occupancy Rate (%):	48
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

CRAVEN CO HOSP

2000 NEUSE BLVD
NEW BERN, NC 28560

Medicare Hospital Provider Number: 340131

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,160	11	9 - 14	2,046	12	10 - 14
Cancer	68	41	29 - 56	78	41	27 - 53
Cerebrovascular Accidents	98	17	16 - 33	103	27	17 - 36
Gastrointestinal Catastrophes	22	41	14 - 57	14	64	11 - 61
Infectious Disease	38	21	22 - 52	45	31	20 - 51
Metabolic/Electrolyte Disorders	22	14	6 - 43	28	29	9 - 47
Pulmonary Disease	117	21	15 - 33	103	20	19 - 38
Renal Failure	7	29	19 - 86	8	38	7 - 75
Severe Acute Heart Disease	70	31	28 - 51	79	37	26 - 49
Severe Chronic Heart Disease	96	21	14 - 32	105	23	13 - 31
Severe Trauma	10	40	9 - 67	6	17	9 - 72
Gastrointestinal Disease	147	6	1 - 11	121	2	1 - 9
Gynecologic Disease	25	0	0 -100	31	0	0 -100
Low-Risk Heart Disease	284	3	2 - 7	261	4	1 - 7
Musculoskeletal/Skin Conditions	200	2	1 - 7	196	1	1 - 6
Neuropsychiatric/Sensory Disease	96	4	0 - 16	97	1	0 - 9
Urologic Disease	94	3	0 - 31	54	4	0 - 56

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	276
Occupancy Rate (%):	71
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	105
Percent of Physicians Who Are Board Certified Specialists:	82
Interns and Residents:	0
Registered Nurses:	258
Licensed Practical Nurses:	84

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

CRAVEN REGIONAL
MEDICAL CENTER
Coastal Carolina's Choice

October 14, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Prior to the publication of the Medicare Hospital Mortality Information, we would like to call to your attention corrections to the "Hospital Characteristics" portion as indicated on the attached copy of the report.

Your attention to this matter is greatly appreciated.

Sincerely,

Mary A. Harrison, ART

Mary Ann Harrison, ART
Manager, Medical Records Department

CRAWLEY MEMORIAL HOSP

305 W COLLEGE AVE PO BOX 996
BOILING SPRINGS, NC 28017

Medicare Hospital Provider Number: 340104

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	43	12	6 - 27	91	15	6 - 22
Cancer	1	0	0 - 98	1	100	2 - 98
Cerebrovascular Accidents	7	43	6 - 71	10	60	12 - 68
Gastrointestinal Catastrophes	0	-	-	1	0	0 - 98
Infectious Disease	0	-	-	1	100	1 - 97
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	1	0	1 - 97	7	0	4 - 52
Renal Failure	1	100	3 - 99	0	-	-
Severe Acute Heart Disease	3	0	4 - 79	5	20	8 - 75
Severe Chronic Heart Disease	2	50	1 - 93	6	50	2 - 76
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	1	0	0 -100	5	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	4	0	0 - 97	12	0	0 - 97
Musculoskeletal/Skin Conditions	4	0	0 -100	4	0	0 -100
Neuropsychiatric/Sensory Disease	1	0	0 -100	1	0	0 -100
Urologic Disease	2	0	0 -100	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	51
Occupancy Rate (%):	(not available)
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	(not available)
Burn Unit:	(not available)
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	(not available)
Organ Transplant Service:	(not available)
Hospice Care:	(not available)

DAVIE CO HOSP

FOSTER & HOSPITAL STREETS
MOCKSVILLE, NC 27028

Medicare Hospital Provider Number: 340052

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	422	9	8 - 15	462	10	9 - 16
Cancer	7	71	18 - 79	4	75	15 - 89
Cerebrovascular Accidents	18	33	10 - 53	17	47	15 - 60
Gastrointestinal Catastrophes	3	0	7 - 80	2	0	1 - 89
Infectious Disease	3	0	12 - 84	5	40	5 - 78
Metabolic/Electrolyte Disorders	8	13	4 - 61	3	0	5 - 79
Pulmonary Disease	32	13	15 - 41	56	11	17 - 37
Renal Failure	2	50	7 - 96	2	50	4 - 93
Severe Acute Heart Disease	12	42	14 - 66	16	50	24 - 70
Severe Chronic Heart Disease	22	32	12 - 51	22	32	8 - 48
Severe Trauma	0	-	-	1	0	0 - 99
Gastrointestinal Disease	32	3	0 - 35	34	0	1 - 16
Gynecologic Disease	6	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	82	4	1 - 13	89	2	1 - 10
Musculoskeletal/Skin Conditions	28	0	0 - 39	29	0	0 - 32
Neuropsychiatric/Sensory Disease	23	0	0 - 38	15	0	0 - 63
Urologic Disease	17	6	0 - 98	6	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	46
Occupancy Rate (%):	46
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	10
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	36
Licensed Practical Nurses:	16

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Davie County Hospital

October 21, 1988
Medicare I.D. #340052

DAVIE COUNTY HOSPITAL FALLS WITHIN PREDICTED MEDICARE MORTALITY RANGE

Davie County Hospital (DCH) fell within predicted Medicare mortality rates during 1987, according to a patient analysis conducted by the federal Health Care Financing Administration (HCFA).

Out of the 422 Medicare cases reviewed, Davie County Hospital's actual mortality rate was 9%, only 1% above the low point on a predicted mortality scale of 8%-15%. The predicted mortality range is in effect, an estimate of mortality rates expected for patients equal in number and similar in characteristics to those treated by the hospital. Predicted mortality ranges used in the analysis were developed by HCFA.

HCFA's data base for the analysis includes only those Medicare admissions that were the last admission of the year for each Medicare patient during 1987, and includes those deaths that occurred within 30 days of admission, even if death occurred after the patient was discharged. Patient data used in the mortality analysis did not consider such factors as how ill the patient was at the time of admission, whether the patient was transferred from a nursing home or was receiving prior treatment at home, whether the patient had a terminal illness, or the patient's psychological state or general health status.

Out of Davie County Hospital's 797 Medicare admissions during 1987, 422 fell within the prescribed HCFA standards for review. The HCFA analysis divided data for the 422 Medicare cases reviewed into 16 diagnostic groups which includes both high risk and low risk diagnostic categories. Davie County Hospital fell within or below predicted mortality rates in all sixteen diagnostic categories.

DCH IS COMMITTED TO QUALITY OF CARE

Davie County Hospital's Quality Assurance program is physician directed, approved and controlled. The hospital is a 66 bed facility with an average occupancy rate of 51.5%, according to 1986 statistics released by the American Hospital Association. A total of nine physicians comprise the Davie Hospital medical staff, all of whom are board certified.

It is the philosophy of Davie County Hospital that mortality rates alone are not an indicator of quality of care. Quality of care is a comprehensive network of services and controls initiated to assure optimal patient care standards. However, the hospital does feel the lack of available nursing home beds is contributory to Medicare mortality rates since many patients experiencing prolonged hospitalization die while awaiting nursing home placement.

Davie County Hospital constantly monitors and evaluates the care of all

Medicare patients through comprehensive internal measures. The Quality Assurance Council monitors patient care through review of twenty care areas including such concerns as utilization management, tissue review, nursing services, safety, and infection control. These measures give the hospital a strong mechanism through which all patients' cases are reviewed for severity of illness, intensity of service, and discharge planning. The Quality Assurance program, under the careful review of the DCH medical staff, is coordinated with risk management issues, with a monthly executive session report made to the Davie County Hospital Board of Trustees.

The Quality Assurance mechanism is comprised of many components. Utilization management reviews the length of patient hospitalizations, individual treatment, diagnosis, and discharge planning.

All surgical cases and procedures are reviewed for accuracy of diagnosis during Quality Assurance's tissue review. The protection and safety of patients and employees is monitored through safety committee reports.

Noscomial infection rates (hospital acquired infections) are monitored and prevention measures updated and reviewed through the department's infection control plan. The Quality Assurance Department, through the efforts of its competent medical staff, reviews all deaths and any significant complications in its mortality / morbidity study.

Quality Assurance includes the medical library, with all staff physicians kept abreast of new information and research available.

All patient blood transfusions are reviewed in Quality Assurance's blood utilization reports, and the accuracy and completeness of DCH's medical records is closely monitored through random samples of patient records.

There are also numerous departmental monitoring mechanisms. All DCH nursing departments assess quality of care standards by monitoring care on a continual basis. The care review system includes the assessment of all aspects of hospital operations which affect patient care from billing procedures to actual beside care.

In addition to Quality Assurance controls, the DCH clinical laboratory and radiology departments have additional internal controls in place to assure accuracy of reports.

The hospital's support services department closely monitors all environmental factors which affect patient care.

Davie County Hospital has a patient advocacy program in place. In addition to in hospital visits by a patient advocate, the program includes patient exit polls whereby comments on all aspects of patient care are solicited after discharge. Davie County Hospital averages a 45% return rate on its exit questionnaires. Patient opinions are generally consistent, with responses falling into the very good range or somewhere between very good and excellent.

Davie County Hospital encourages questions about its quality of care from patients in its commitment to constantly monitor quality of service.

Once again, mortality rates alone do not constitute an adequate measure for quality of care. it is only through sophisticated, comprehensive monitoring systems such as those in place at Davie County Hospital that quality of care can be adequately assessed.

DAVIS COMMUNITY HOSPITAL

OLD MOCKSVILLE ROAD BOX 1800
STATESVILLE, NC 28677

Medicare Hospital Provider Number: 340144

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	692	9	9 - 14	669	11	9 - 15
Cancer	19	32	28 - 70	19	42	24 - 67
Cerebrovascular Accidents	26	35	15 - 51	30	40	14 - 49
Gastrointestinal Catastrophes	2	50	1 - 93	7	71	8 - 71
Infectious Disease	8	38	13 - 74	8	38	7 - 69
Metabolic/Electrolyte Disorders	6	0	10 - 62	7	0	7 - 55
Pulmonary Disease	50	24	15 - 41	45	22	12 - 39
Renal Failure	2	0	9 - 94	3	67	5 - 88
Severe Acute Heart Disease	20	35	19 - 60	29	34	28 - 62
Severe Chronic Heart Disease	38	5	13 - 31	27	19	9 - 40
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	53	4	0 - 21	57	4	0 - 20
Gynecologic Disease	11	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	85	0	1 - 7	67	4	1 - 16
Musculoskeletal/Skin Conditions	79	0	1 - 7	97	0	0 - 6
Neuropsychiatric/Sensory Disease	39	0	0 - 28	23	0	0 - 68
Urologic Disease	34	0	0 - 24	26	0	0 - 74

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	149
Occupancy Rate (%):	52
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

DISTRICT MEMORIAL HOSP OF SW NC

ONE WHITAKER LANE
ANDREWS, NC 28901

Medicare Hospital Provider Number: 340054

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	230	13	11 - 20	231	10	7 - 16
Cancer	3	67	12 - 93	2	100	12 - 97
Cerebrovascular Accidents	12	17	12 - 56	9	22	22 - 74
Gastrointestinal Catastrophes	1	100	1 - 97	0	-	-
Infectious Disease	4	0	14 - 77	1	0	0 - 99
Metabolic/Electrolyte Disorders	4	25	7 - 81	1	0	0 - 99
Pulmonary Disease	29	31	19 - 53	20	15	9 - 44
Renal Failure	1	100	3 - 98	0	-	-
Severe Acute Heart Disease	10	10	16 - 61	7	43	7 - 71
Severe Chronic Heart Disease	12	42	6 - 60	16	31	9 - 54
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	20	20	0 - 83	22	5	0 - 66
Gynecologic Disease	2	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	39	0	2 - 13	32	0	0 - 18
Musculoskeletal/Skin Conditions	16	6	0 - 84	30	3	0 - 86
Neuropsychiatric/Sensory Disease	8	0	0 -100	9	0	0 -100
Urologic Disease	3	0	0 -100	9	11	0 - 88

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	50
Occupancy Rate (%):	46
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

DOROTHEA DIX HOSP

S BOYLAN AVE
RALEIGH, NC 27611

Medicare Hospital Provider Number: 340138

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	209	9	5 - 14	211	7	4 - 12
Cancer	4	50	8 - 84	2	50	4 - 93
Cerebrovascular Accidents	1	0	0 - 98	4	50	2 - 82
Gastrointestinal Catastrophes	8	63	4 - 68	4	25	1 - 82
Infectious Disease	1	0	0 -100	3	67	4 - 86
Metabolic/Electrolyte Disorders	2	0	0 - 92	2	0	0 - 99
Pulmonary Disease	18	11	9 - 43	28	14	7 - 37
Renal Failure	1	0	0 - 98	0	-	-
Severe Acute Heart Disease	2	0	1 - 91	1	0	1 - 97
Severe Chronic Heart Disease	4	25	2 - 81	2	0	0 - 95
Severe Trauma	2	50	2 - 92	0	-	-
Gastrointestinal Disease	22	0	0 -100	25	0	0 - 25
Gynecologic Disease	5	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	9	11	0 - 99	5	0	0 -100
Musculoskeletal/Skin Conditions	15	0	0 -100	14	0	0 - 99
Neuropsychiatric/Sensory Disease	24	0	0 - 95	32	0	0 - 93
Urologic Disease	12	0	0 -100	16	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1988

Total Beds (#):	66
Ownership/Control:	State Government

STAFFING

Interns and Residents:	10
Registered Nurses:	39
Licensed Practical Nurses:	16

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

DUKE UNIVERSITY HOSP

ERWIN RD BOX 3708
DURHAM, NC 27710

Medicare Hospital Provider Number: 340030

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	5,446	9	8 - 12	5,193	9	8 - 12
Cancer	297	28	31 - 48	292	29	30 - 48
Cerebrovascular Accidents	113	27	16 - 34	108	22	17 - 34
Gastrointestinal Catastrophes	34	26	20 - 54	40	30	16 - 49
Infectious Disease	55	40	21 - 51	48	42	19 - 50
Metabolic/Electrolyte Disorders	54	33	13 - 43	48	25	14 - 44
Pulmonary Disease	93	25	16 - 37	115	30	16 - 36
Renal Failure	41	29	7 - 56	53	13	3 - 54
Severe Acute Heart Disease	238	33	26 - 41	198	34	27 - 43
Severe Chronic Heart Disease	125	20	15 - 31	114	24	14 - 31
Severe Trauma	10	50	8 - 67	21	43	9 - 55
Gastrointestinal Disease	213	1	1 - 5	201	3	1 - 8
Gynecologic Disease	61	0	0 - 82	52	0	0 - 97
Low-Risk Heart Disease	898	6	2 - 6	757	5	2 - 6
Musculoskeletal/Skin Conditions	542	1	0 - 4	518	2	0 - 4
Neuropsychiatric/Sensory Disease	475	2	1 - 6	485	1	1 - 5
Urologic Disease	182	1	0 - 6	180	3	0 - 11

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1985

Total Beds (#): 1,048
Ownership/Control: Private, Non-profit

STAFFING

Interns and Residents: 332
Registered Nurses: 1,732
Licensed Practical Nurses: 387

SPECIALTY SERVICES

Shock/Trauma Unit: Yes
Burn Unit: Yes
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: Yes
Hospice Care: No

DUPLIN GENERAL HOSP-

DUPLIN ST BOX 278
KENANSVILLE, NC 28349

Medicare Hospital Provider Number: 340120

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	413	15	11 - 18	381	18	11 - 20
Cancer	15	53	19 - 67	12	58	13 - 66
Cerebrovascular Accidents	31	32	12 - 46	37	30	15 - 45
Gastrointestinal Catastrophes	4	0	5 - 71	7	29	5 - 70
Infectious Disease	6	17	7 - 69	6	17	5 - 69
Metabolic/Electrolyte Disorders	9	11	9 - 59	7	43	4 - 71
Pulmonary Disease	28	21	10 - 43	28	25	7 - 42
Renal Failure	2	0	1 - 91	1	0	0 - 98
Severe Acute Heart Disease	38	37	24 - 55	39	33	22 - 53
Severe Chronic Heart Disease	28	29	9 - 43	23	4	12 - 35
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	24	4	0 - 84	19	0	0 - 76
Gynecologic Disease	2	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	52	4	0 - 23	49	6	0 - 35
Musculoskeletal/Skin Conditions	15	0	0 - 44	12	0	0 - 74
Neuropsychiatric/Sensory Disease	30	3	0 - 58	8	0	0 - 91
Urologic Disease	5	0	0 -100	5	0	0 - 90

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	80
Occupancy Rate (%):	58
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	23
Percent of Physicians Who Are Board Certified Specialists:	48
Interns and Residents:	0
Registered Nurses:	42
Licensed Practical Nurses:	16

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

DURHAM CO GENERAL HOSP-

3643 N ROXBORO ST
DURHAM, NC 27704

Medicare Hospital Provider Number: 340155

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,948	13	10 - 15	2,834	13	11 - 15
Cancer	92	49	28 - 52	114	33	28 - 50
Cerebrovascular Accidents	121	31	17 - 36	121	26	19 - 36
Gastrointestinal Catastrophes	26	31	15 - 54	34	38	16 - 52
Infectious Disease	94	37	24 - 48	102	42	22 - 48
Metabolic/Electrolyte Disorders	49	24	14 - 44	39	23	10 - 42
Pulmonary Disease	158	32	17 - 35	168	36	18 - 36
Renal Failure	11	45	13 - 75	13	46	11 - 72
Severe Acute Heart Disease	136	30	30 - 49	148	28	30 - 47
Severe Chronic Heart Disease	139	17	14 - 29	130	22	14 - 30
Severe Trauma	7	43	3 - 72	11	27	12 - 65
Gastrointestinal Disease	203	4	1 - 8	169	4	1 - 9
Gynecologic Disease	31	0	0 -100	49	0	0 -100
Low-Risk Heart Disease	276	3	2 - 7	270	4	1 - 7
Musculoskeletal/Skin Conditions	336	1	1 - 5	298	1	1 - 5
Neuropsychiatric/Sensory Disease	68	3	0 - 17	94	1	0 - 10
Urologic Disease	157	1	0 - 8	130	2	0 - 16

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	369
Occupancy Rate (%):	69
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	266
Percent of Physicians Who Are Board Certified Specialists:	79
Interns and Residents:	0
Registered Nurses:	326
Licensed Practical Nurses:	130

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

FORSYTH MEMORIAL HOSP-

3333 SILAS CREEK PARKWAY
WINSTON-SALEM, NC 27103

Medicare Hospital Provider Number: 340014

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	5,723	14	11 - 15	5,380	14	10 - 14
Cancer	260	38	31 - 49	286	39	31 - 49
Cerebrovascular Accidents	301	23	20 - 32	258	25	19 - 33
Gastrointestinal Catastrophes	63	33	22 - 51	56	41	20 - 51
Infectious Disease	70	31	23 - 49	51	35	21 - 52
Metabolic/Electrolyte Disorders	93	19	13 - 38	83	27	13 - 39
Pulmonary Disease	261	31	19 - 35	307	31	18 - 33
Renal Failure	29	41	17 - 68	29	38	18 - 70
Severe Acute Heart Disease	252	37	28 - 44	184	40	29 - 46
Severe Chronic Heart Disease	284	23	15 - 27	256	29	15 - 29
Severe Trauma	7	57	5 - 72	9	33	9 - 68
Gastrointestinal Disease	349	5	2 - 7	338	5	2 - 8
Gynecologic Disease	42	0	0 - 19	51	2	0 -100
Low-Risk Heart Disease	745	5	2 - 6	711	3	2 - 5
Musculoskeletal/Skin Conditions	428	2	1 - 5	412	3	1 - 6
Neuropsychiatric/Sensory Disease	193	7	1 - 11	158	3	0 - 10
Urologic Disease	128	2	0 - 9	124	2	0 - 9

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	722
Occupancy Rate (%):	88
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	331
Percent of Physicians Who Are Board Certified Specialists:	82
Interns and Residents:	0
Registered Nurses:	675
Licensed Practical Nurses:	159

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

FORSYTH MEMORIAL HOSPITAL
AN AFFILIATE OF CAROLINA MEDICORP INC

3333 SILAS CREEK PARKWAY
WINSTON-SALEM, NC 27103

Hospital ID # 340014

MEDICARE HOSPITAL MORTALITY INFORMATION

We understand the hospital characteristics forwarded to us were not the ones published so we can not comment on their accuracy or relevancy. We could not confirm the accuracy of the number of cases, deaths, or the calculated mortality rate.

Mortality data of this type is of some interest to us as a health care provider but is of little practical use. In our Quality Management Program, we review each complication and each death in detail. The HCFA data without consideration of severity of illness is not a quality indicator. The HCFA attempts at measuring severity of illness are laudable but criteria presently being used do not equate with severity and will still not be an accurate predictor of what the mortality rate ideally should be with good quality care. Some of DRG mortality rates would probably approach 100% over time. Any number less than that is more nearly a reflection of the number of times the patient gets admitted to the hospital, and the availability of Hospice and other support services, rather than an indication of the quality of care given the patient.

We see no way in which this information could be beneficial to the general public as they make their health care decisions. HCFA admits that these are not quality indicators so we do not see in what context they should be considered by the general public. This effort has not equipped the public with the information to analyze, interpret, or attach any particular significance to these numbers.

FRANKLIN MEMORIAL HOSP

100 HOSPITAL DR BOX 609
LOUISBURG, NC 27549

Medicare Hospital Provider Number: 340036

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	523	12	9 - 16	501	12	9 - 16
Cancer	10	80	20 - 70	13	69	20 - 68
Cerebrovascular Accidents	34	15	17 - 43	40	22	15 - 42
Gastrointestinal Catastrophes	2	50	2 - 92	4	75	6 - 81
Infectious Disease	4	25	11 - 84	2	100	3 - 88
Metabolic/Electrolyte Disorders	6	50	6 - 75	13	38	8 - 60
Pulmonary Disease	49	37	17 - 45	47	17	15 - 40
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	9	22	18 - 72	13	46	22 - 72
Severe Chronic Heart Disease	12	8	7 - 47	10	0	9 - 43
Severe Trauma	1	0	3 - 98	0	-	-
Gastrointestinal Disease	43	7	1 - 24	41	5	0 - 25
Gynecologic Disease	2	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	84	6	1 - 16	89	2	2 - 10
Musculoskeletal/Skin Conditions	30	3	0 - 28	22	0	0 - 46
Neuropsychiatric/Sensory Disease	75	0	0 - 9	70	1	0 - 17
Urologic Disease	12	8	0 - 86	8	0	0 - 88

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1988

Total Beds (#):	69
Ownership/Control:	Private, For Profit

STAFFING

Interns and Residents:	0
Registered Nurses:	22
Licensed Practical Nurses:	13

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

FRYE REGIONAL MEDICAL CENTER

420 N CENTER ST
HICKORY, NC 28601

Medicare Hospital Provider Number: 340116

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,310	15	11 - 16	1,262	13	9 - 14
Cancer	63	43	25 - 52	58	36	23 - 51
Cerebrovascular Accidents	89	36	16 - 37	73	27	18 - 39
Gastrointestinal Catastrophes	18	33	14 - 58	12	33	9 - 62
Infectious Disease	8	13	7 - 61	11	45	8 - 64
Metabolic/Electrolyte Disorders	14	21	10 - 56	7	29	2 - 71
Pulmonary Disease	96	28	16 - 37	89	29	13 - 35
Renal Failure	8	75	17 - 81	7	29	10 - 78
Severe Acute Heart Disease	65	42	25 - 51	68	43	23 - 48
Severe Chronic Heart Disease	37	35	8 - 40	45	27	9 - 36
Severe Trauma	15	20	15 - 60	15	27	9 - 58
Gastrointestinal Disease	67	3	0 - 16	94	1	1 - 9
Gynecologic Disease	11	0	0 -100	22	0	0 -100
Low-Risk Heart Disease	128	7	1 - 13	129	3	1 - 9
Musculoskeletal/Skin Conditions	121	0	1 - 5	111	2	0 - 10
Neuropsychiatric/Sensory Disease	54	4	0 - 30	45	7	0 - 69
Urologic Disease	63	0	0 - 17	78	1	0 - 15

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 275
Occupancy Rate (%): 50
Ownership/Control: Private, For Profit

STAFFING

Total Number of Physicians: 115
Percent of Physicians Who Are Board Certified Specialists: 89
Interns and Residents: 0
Registered Nurses: 197
Licensed Practical Nurses: 48

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

Medicare Provider Number: 34-0116

AMI Frye Regional Medical Center

SUMMARY OF COMMENTS FOR FRYE REGIONAL MEDICAL CENTER: Mortality review is a necessary screening tool of a quality monitoring process. However, it cannot stand alone as a measure of quality in any circumstance. The HCFA data suggests that our hospital is within an acceptable range of predicted death rates. However, this information does not communicate adequately to the public that Frye Regional Medical Center is a quality institution. We provide highly sophisticated regional services to a very sick patient population. In comparison to a national data base, we treat a more complex, acutely ill patient than most hospitals and have less deaths. Furthermore, our patients are provided a high quality of service that is monitored very closely using an ongoing, objective, systematic review process. It is essential that the general public understand that quality must be measured in a comprehensive fashion, not simply through mortality statistics. The following detailed comments will substantiate our views on this matter and we encourage you to read them.

A. WHAT TYPE OF FACILITY IS FRYE REGIONAL MEDICAL CENTER?

Frye Regional Medical Center (FRMC) is a 275-bed tertiary care facility serving a nine-county area in northwestern North Carolina. We provide highly sophisticated services such as cardiac catheterization and neurodiagnostics and are the primary provider of neurosurgery, neurology, and pulmonary services.

B. HOW DOES FRYE REGIONAL MEDICAL CENTER MEASURE QUALITY?

The mortality data published by HCFA suggests that we are within a "normal" range of predicted mortality rates. However, this data does not measure quality. It is a valid screen for quality review, but quality judgments can be made only after a thorough review of the patient's medical record.

At Frye Regional Medical Center, we have a comprehensive program of quality review and use a three-pronged approach:

1. PCAP (Patient Care Accountability Program) - This is a computerized generic screening process which flags cases that do not meet an approved set of indicators. These cases are sent for thorough evaluation by our Medical Staff.

2. Diagnoses Monitoring - This is a specific review of high volume, high risk diagnoses.

3. MEDISGROUPS (Medical Illness Severity Grouping System) - This is a computerized system of sensitive indicators which measures the effectiveness (patient outcome), efficiency (resource utilization), and appropriateness of patient care. It is based on a universal language of key clinical findings that indicate the presence of an abnormality. These findings generate objective severity of illness classifications which range from "0" to "4" with "4" being the highest and indicating the presence of organ failure.

The data generated from these three programs is sent to the appropriate committee or department for evaluation, recommendations/conclusions, and follow up. The system is effective because it is an ongoing objective process with a commitment to act on the information generated.

C. VERIFICATION OF DATA

HCFA reported 197 deaths out of 1,310 Medicare cases in 1987 at FRMC. Of these deaths 161 occurred while the patient was still in the hospital and 36 occurred after discharge. Upon review of the data, our records indicate that 162 died in the hospital and 35 died after discharge.

Medicare Provider Number: 34-0116

D. INTERPRETATION OF DATA OF MEDICARE PATIENTS WHO DIED WHILE IN THE HOSPITAL

Without further information, the only comment which can be made regarding the HCFA information is that FRMC falls within the predicted range for mortality.

1. Severity Data - Frye Regional Medical Center has an average weighted severity of **1.7** for all Medicare patients as compared to a national average of **1.01**. Overall, Frye Regional Medical Center treats a more complex, acutely ill patient when compared to hospitals across the country.

2. Focused Review of Deaths - Based on a focused review of the HCFA mortality data, the following comments/conclusions are made:

    a) The majority of deaths occurred in **severity group 3** which indicates a high likelihood of organ failure.

    b) The majority of patients were extremely aged and had a high severity of illness on admission (i.e., they were very sick when they came to us, not post admission).

    c) The overwhelming majority of deaths occurred in the high risk, high volume disease categories (e.g., cancer, stroke, myocardial disease).

    d) Case reviews were completed on the three cases which fell in the 0-1 severity grouping as these patients would be less likely to have organ failure. One was an 87-year-old patient with a hip fracture that died of an unrelated myocardial infarction, one was a 92 year old with carcinoma of the GI tract origin with spread, and one was a 94 year old with a subdural hematoma that underwent a craniotomy and expired. None of these deaths were expected nor were they related to care.

3. Other Pertinent Information for In-Hospital Deaths

    a) Case Mix Index - The case mix index on all Medicare patients who died while in the hospital was 1.582. FRMC's case mix for all Medicare patients is 1.430. By comparison, an "average" patient population, would have a case-mix index of 1.0. This data clearly demonstrates that FRMC treats an extremely sick patient population and that those patients who died while at our hospital were significantly more complex and intense than an "average" patient.

    b) Source of Admission for In-Hospital Deaths - As evidenced in the following data, the majority of these patients were extremely ill upon admission which supports a greater likelihood of death: 72% were admitted from the emergency room, 2% were admitted from a skilled nursing facility, 2% were transferred to FRMC for regional services, and 24% were admitted directly from the physician's office.

E. POST-DISCHARGE DEATHS WITHIN 30 DAYS OF ADMISSION

Upon medical record review of the condition at discharge of the 35 patients who died post-discharge within 30 days of admission, our records indicate that 29 had a poor prognosis and death was anticipated. More specifically, 6 of the cases were unrelated to diagnoses and condition at the time of discharge, 8 had metastatic disease (cancer), 3 had severe pulmonary disease, 7 had end-stage heart disease, 5 had extensive cerebrovascular disease, 1 had progressive renal disease, 1 had severe trauma, 1 had severe circulatory disease, and 3 had severe metabolic disease.

GASTON MEMORIAL HOSP-

2525 COURT DR
GASTONIA, NC 28052

Medicare Hospital Provider Number: 340032

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,554	13	10 - 14	2,649	15	10 - 14
Cancer	94	47	30 - 54	112	50	26 - 49
Cerebrovascular Accidents	137	28	17 - 34	128	24	17 - 34
Gastrointestinal Catastrophes	20	40	17 - 61	22	45	11 - 55
Infectious Disease	16	50	13 - 61	25	56	16 - 56
Metabolic/Electrolyte Disorders	45	20	10 - 40	44	39	6 - 40
Pulmonary Disease	113	28	15 - 35	128	34	13 - 33
Renal Failure	14	14	11 - 65	8	63	13 - 79
Severe Acute Heart Disease	211	30	27 - 43	210	35	29 - 45
Severe Chronic Heart Disease	110	22	14 - 31	109	24	14 - 32
Severe Trauma	2	50	1 - 93	4	25	4 - 80
Gastrointestinal Disease	212	3	1 - 7	232	4	1 - 8
Gynecologic Disease	20	0	0 -100	22	0	0 -100
Low-Risk Heart Disease	313	1	2 - 5	296	2	2 - 5
Musculoskeletal/Skin Conditions	145	1	0 - 8	155	3	0 - 11
Neuropsychiatric/Sensory Disease	52	6	0 - 30	94	0	0 - 11
Urologic Disease	128	2	0 - 10	111	3	0 - 13

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	354
Occupancy Rate (%):	74
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	111
Percent of Physicians Who Are Board Certified Specialists:	77
Interns and Residents:	0
Registered Nurses:	270
Licensed Practical Nurses:	57

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

Gaston
Memorial

Medicare # 340032

The Health Care Finance Administration (HCFA) has presented information for educational purposes on the number of Medicare patients treated at all hospitals in 1987 and the number of Medicare patients that died within 30 days of their admission date. HCFA has determined a range of predicted mortality rates for 16 diagnostic categories.

Of 13,374 admissions to Gaston Memorial Hospital in 1987, the data used by HCFA indicate that 338 Medicare patients admitted to Gaston Memorial Hospital in 1987 died within 30 days of admission. Of these, 297 died while still a patient in the hospital, while 41 died after discharge.

Gaston Memorial falls within the range of "predicted mortality rates" in all 17 categories, including one category that summarizes all causes of death. Gaston Memorial's actual mortality rate in many categories, including renal failure, gynecologic disease and low risk heart disease, is on the low side of the range for predicted mortality.

Gaston Memorial is committed to high quality health care services for all patients and we constantly seek ways to improve our services and care through the acquisition of new physicians, updated equipment, expanded services and education.

In the past year, Gaston Memorial has added over 20 new physicians to the staff, expanded the progressive coronary care unit from 13 to 28 monitored beds and developed an ongoing program to train additional critical care nurses to meet the need of an increasing number of critically ill patients admitted to Gaston Memorial.

The treatment of some coronary care patients has also been improved by the addition of recently approved drugs, including TPA. TPA has the ability to quickly dissolve clots that are blocking an artery leading to the heart. When administered during or immediately after a heart attack, TPA can help prevent damage to the heart muscle. The introduction of powerful drugs like TPA greatly assists in treating acutely ill patients and preventing multiple complications.

In addition, Gaston Memorial continues its review of every patient's medical record to ensure that the medical services are necessary. When appropriate, a discharge plan is prepared for patients to ensure that appropriate care after discharge is available. Many of our Medicare patients continue to receive care after their discharge through nursing homes, vocational rehabilitation or home health care.

Gaston Memorial Hospital
2525 Court Drive
Post Office Box 1747
Gastonia, NC 28053-1747
704•866•2000

Gaston Memorial Hospital also strives to maintain excellence in its medical staff, employees and patient care through continuing education and inservice programs that offer updates on the latest medical procedures and care.

Programs such as discharge plans, inservice education, patient questionnaires and the services of patient representatives all help monitor and maintain a high quality of care at Gaston Memorial.

Corrected Hospital Characteristics are:

Beds: 354
Occupancy Rate: 76.5%
Staffing:
  Total Number of physicians: 115
  Percent of physicians who are board certified: 90

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GOOD HOPE HOSP

DENIM DR BOX 668
ERWIN, NC 28339

Medicare Hospital Provider Number: 340124

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	476	15	8 - 15	475	15	9 - 16
Cancer	5	80	13 - 80	13	77	29 - 76
Cerebrovascular Accidents	17	24	10 - 51	34	24	14 - 44
Gastrointestinal Catastrophes	2	0	5 - 89	1	0	0 -100
Infectious Disease	8	25	17 - 75	0	-	-
Metabolic/Electrolyte Disorders	7	29	5 - 70	9	11	3 - 58
Pulmonary Disease	50	40	13 - 42	43	28	16 - 45
Renal Failure	3	67	8 - 90	0	-	-
Severe Acute Heart Disease	13	31	16 - 64	12	58	15 - 66
Severe Chronic Heart Disease	14	50	6 - 57	36	28	9 - 40
Severe Trauma	0	-	-	1	100	3 - 98
Gastrointestinal Disease	32	3	0 - 31	27	0	0 - 35
Gynecologic Disease	4	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	67	0	1 - 8	66	2	1 - 12
Musculoskeletal/Skin Conditions	41	7	0 - 37	42	2	0 - 51
Neuropsychiatric/Sensory Disease	56	0	0 - 18	32	3	0 - 91
Urologic Disease	8	0	0 - 88	8	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	72
Occupancy Rate (%):	59
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	30
Percent of Physicians Who Are Board Certified Specialists:	70
Interns and Residents:	0
Registered Nurses:	42
Licensed Practical Nurses:	22

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

GRACE HOSP INC

2201 S STERLING ST
MORGANTON, NC 28655

Medicare Hospital Provider Number: 340075

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,114	10	9 - 14	1,179	14	9 - 14
Cancer	31	32	25 - 59	28	50	25 - 63
Cerebrovascular Accidents	38	29	15 - 45	47	30	15 - 42
Gastrointestinal Catastrophes	5	40	3 - 78	13	23	11 - 59
Infectious Disease	14	36	13 - 62	16	38	14 - 61
Metabolic/Electrolyte Disorders	24	21	6 - 45	11	36	7 - 62
Pulmonary Disease	72	22	16 - 38	81	26	13 - 35
Renal Failure	2	50	3 - 93	6	50	12 - 84
Severe Acute Heart Disease	47	43	24 - 53	54	44	27 - 54
Severe Chronic Heart Disease	60	23	14 - 36	65	23	12 - 34
Severe Trauma	1	0	1 - 97	2	50	0 - 98
Gastrointestinal Disease	103	3	1 - 10	116	4	1 - 12
Gynecologic Disease	20	0	0 -100	28	0	0 -100
Low-Risk Heart Disease	167	1	2 - 6	162	4	1 - 9
Musculoskeletal/Skin Conditions	64	2	0 - 17	65	3	0 - 27
Neuropsychiatric/Sensory Disease	50	0	1 - 11	38	8	0 - 68
Urologic Disease	66	0	0 - 19	71	4	0 - 18

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 161
Occupancy Rate (%): 56
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 65
Percent of Physicians Who Are Board Certified Specialists: 74
Interns and Residents: 0
Registered Nurses: 129
Licensed Practical Nurses: 20

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: No

GRANVILLE MEDICAL CENTER

COLLEGE ST BOX 947
OXFORD, NC 27565

Medicare Hospital Provider Number: 340127

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	458	20	11 - 19	434	20	10 - 18
Cancer	16	63	26 - 72	11	82	19 - 67
Cerebrovascular Accidents	21	43	10 - 51	18	39	12 - 56
Gastrointestinal Catastrophes	7	14	10 - 67	3	0	4 - 79
Infectious Disease	6	17	10 - 72	9	67	12 - 70
Metabolic/Electrolyte Disorders	14	36	8 - 59	9	22	2 - 64
Pulmonary Disease	43	33	12 - 42	58	31	12 - 38
Renal Failure	4	75	13 - 89	5	80	12 - 84
Severe Acute Heart Disease	25	56	20 - 58	25	44	22 - 60
Severe Chronic Heart Disease	25	32	10 - 47	24	33	7 - 46
Severe Trauma	0	-	-	1	100	1 - 97
Gastrointestinal Disease	30	10	0 - 65	35	3	0 - 42
Gynecologic Disease	3	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	53	0	1 - 10	51	2	1 - 16
Musculoskeletal/Skin Conditions	27	4	0 - 61	19	5	0 - 99
Neuropsychiatric/Sensory Disease	13	8	0 -100	12	0	0 -100
Urologic Disease	11	0	1 - 45	14	0	1 - 37

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	66
Occupancy Rate (%):	41
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	14
Percent of Physicians Who Are Board Certified Specialists:	86
Interns and Residents:	0
Registered Nurses:	37
Licensed Practical Nurses:	18

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HALIFAX MEMORIAL HOSP-

250 SMITH CHURCH RD
ROANOKE RAPIDS, NC 27870

Medicare Hospital Provider Number: 340151

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,538	14	10 - 15	1,446	12	10 - 15
Cancer	37	51	24 - 58	36	42	23 - 57
Cerebrovascular Accidents	101	26	16 - 35	78	24	18 - 38
Gastrointestinal Catastrophes	10	40	7 - 65	12	50	16 - 69
Infectious Disease	30	23	21 - 54	30	47	19 - 57
Metabolic/Electrolyte Disorders	44	32	16 - 48	32	13	9 - 39
Pulmonary Disease	57	25	10 - 35	84	20	13 - 34
Renal Failure	5	40	5 - 81	15	40	18 - 76
Severe Acute Heart Disease	101	42	27 - 48	79	37	27 - 50
Severe Chronic Heart Disease	96	28	14 - 33	79	20	12 - 32
Severe Trauma	2	0	5 - 89	2	0	1 - 91
Gastrointestinal Disease	116	4	1 - 11	104	3	1 - 11
Gynecologic Disease	10	0	0 -100	17	0	0 -100
Low-Risk Heart Disease	179	2	1 - 7	180	2	1 - 7
Musculoskeletal/Skin Conditions	113	4	1 - 11	126	2	1 - 8
Neuropsychiatric/Sensory Disease	83	0	0 - 9	55	2	0 - 35
Urologic Disease	73	4	0 - 29	70	3	0 - 20

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	190
Occupancy Rate (%):	72
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	42
Percent of Physicians Who Are Board Certified Specialists:	60
Interns and Residents:	0
Registered Nurses:	137
Licensed Practical Nurses:	73

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HALIFAX MEMORIAL HOSPITAL, INC.

Halifax Memorial Hospital, Inc.
250 Smith Church Road
P. O. Drawer 1089
Roanoke Rapids, NC 27870
(919) 535-8011

October 11, 1988

Health Standards and Quality Bureau
Health Care Financing Administration
ATTN: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

REFERENCE HOSPITAL ID: 340151-Halifax Memorial Hospital

Dear Mrs. Kappert:

In reviewing the data regarding Medicare Hospital Mortality information sent to us by your office on September 15th, please be advised that hospital characteristic data on this report is in error. The bed number should be 190. Our occupancy rate for calendar year 1987 is 73.8%. The number of physicians on our staff is 51, the percentage that are board certified is 61%.

Please correct this information prior to releasing the information. Your assistance in this matter is greatly appreciated.

Sincerely,

Paul G. Sherwood

Paul G. Sherwood
Senior Vice President

PGS:pkj

HAMLET HOSP

118 VANCE ST BOX 1109
HAMLET, NC 28345

Medicare Hospital Provider Number: 340106

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	253	15	10 - 19	296	13	8 - 16
Cancer	10	50	21 - 77	4	50	8 - 84
Cerebrovascular Accidents	16	38	6 - 54	12	33	6 - 58
Gastrointestinal Catastrophes	2	50	6 - 95	0	-	-
Infectious Disease	4	25	6 - 81	1	100	2 - 97
Metabolic/Electrolyte Disorders	8	50	2 - 70	7	14	1 - 68
Pulmonary Disease	22	23	12 - 48	17	18	8 - 48
Renal Failure	0	-	-	1	100	1 - 97
Severe Acute Heart Disease	13	31	22 - 70	21	29	19 - 58
Severe Chronic Heart Disease	10	20	4 - 58	22	5	12 - 37
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	20	10	0 - 65	15	0	0 - 42
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	31	0	0 - 23	33	9	0 - 72
Musculoskeletal/Skin Conditions	9	0	0 - 98	13	8	0 -100
Neuropsychiatric/Sensory Disease	43	2	0 - 28	29	0	0 - 99
Urologic Disease	5	0	0 -100	8	0	0 - 99

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	52
Occupancy Rate (%):	44
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	16
Percent of Physicians Who Are Board Certified Specialists:	94
Interns and Residents:	0
Registered Nurses:	31
Licensed Practical Nurses:	6

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HAYWOOD CO HOSP

90 HOSPITAL DR
CLYDE, NC 28721

Medicare Hospital Provider Number: 340025

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,509	14	10 - 14	1,403	12	9 - 14
Cancer	35	57	22 - 56	38	55	25 - 59
Cerebrovascular Accidents	68	32	15 - 39	56	21	15 - 38
Gastrointestinal Catastrophes	11	27	15 - 67	8	63	10 - 71
Infectious Disease	18	44	19 - 64	13	31	13 - 63
Metabolic/Electrolyte Disorders	19	26	12 - 54	18	33	11 - 56
Pulmonary Disease	94	37	17 - 39	90	17	16 - 35
Renal Failure	5	80	16 - 87	1	100	2 - 97
Severe Acute Heart Disease	81	44	27 - 50	74	39	26 - 49
Severe Chronic Heart Disease	76	24	13 - 33	84	20	14 - 33
Severe Trauma	3	67	4 - 86	1	0	1 - 97
Gastrointestinal Disease	117	3	1 - 9	119	2	1 - 8
Gynecologic Disease	19	0	0 -100	15	0	0 -100
Low-Risk Heart Disease	227	3	1 - 7	184	6	1 - 10
Musculoskeletal/Skin Conditions	108	2	0 - 10	103	2	0 - 12
Neuropsychiatric/Sensory Disease	45	2	0 - 26	42	5	0 - 63
Urologic Disease	66	5	0 - 90	82	1	0 - 17

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	152
Occupancy Rate (%):	59
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	48
Percent of Physicians Who Are Board Certified Specialists:	71
Interns and Residents:	0
Registered Nurses:	104
Licensed Practical Nurses:	72

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HCA-RALEIGH COMMUNITY HOSP INC

3400 OLD WAKE FOREST RD
RALEIGH, NC 27609

Medicare Hospital Provider Number: 340073

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	987	10	9 - 14	905	10	8 - 13
Cancer	30	33	22 - 57	22	23	19 - 56
Cerebrovascular Accidents	47	13	16 - 38	41	22	13 - 40
Gastrointestinal Catastrophes	13	31	14 - 64	6	33	5 - 74
Infectious Disease	13	15	13 - 57	11	55	8 - 64
Metabolic/Electrolyte Disorders	29	45	10 - 50	11	18	5 - 56
Pulmonary Disease	42	33	10 - 40	30	13	14 - 42
Renal Failure	1	100	2 - 97	2	0	5 - 90
Severe Acute Heart Disease	32	38	22 - 56	39	41	22 - 53
Severe Chronic Heart Disease	38	18	10 - 37	38	24	9 - 38
Severe Trauma	1	0	0 - 98	1	0	0 - 98
Gastrointestinal Disease	90	3	1 - 12	74	0	1 - 8
Gynecologic Disease	5	0	0 -100	10	0	0 -100
Low-Risk Heart Disease	113	3	1 - 9	95	3	1 - 11
Musculoskeletal/Skin Conditions	87	1	0 - 11	77	5	0 - 19
Neuropsychiatric/Sensory Disease	42	2	0 - 44	29	0	0 - 53
Urologic Disease	54	2	0 - 29	53	0	0 - 15

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	140
Occupancy Rate (%):	55
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	262
Percent of Physicians Who Are Board Certified Specialists:	73
Interns and Residents:	0
Registered Nurses:	124
Licensed Practical Nurses:	25

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HERITAGE HOSP

111 HOSPITAL DR
TARBORO, NC 27886

Medicare Hospital Provider Number: 340107

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	723	15	10 - 16	638	15	9 - 16
Cancer	21	48	23 - 65	16	44	17 - 64
Cerebrovascular Accidents	57	44	16 - 42	29	34	14 - 48
Gastrointestinal Catastrophes	6	67	9 - 76	8	38	7 - 69
Infectious Disease	4	50	3 - 82	10	40	10 - 67
Metabolic/Electrolyte Disorders	14	21	8 - 54	15	47	6 - 57
Pulmonary Disease	70	24	14 - 37	65	23	11 - 34
Renal Failure	0	-	-	2	50	1 - 93
Severe Acute Heart Disease	29	34	21 - 56	31	32	20 - 53
Severe Chronic Heart Disease	28	11	8 - 34	30	13	9 - 37
Severe Trauma	0	-	-	2	50	0 - 95
Gastrointestinal Disease	71	4	0 - 17	53	4	1 - 18
Gynecologic Disease	3	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	54	7	0 - 24	54	2	1 - 14
Musculoskeletal/Skin Conditions	55	4	0 - 25	39	3	0 - 60
Neuropsychiatric/Sensory Disease	16	0	0 - 43	15	0	0 - 82
Urologic Disease	30	0	0 - 44	37	3	0 - 67

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	127
Occupancy Rate (%):	47
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HIGH POINT REGIONAL HOSP

601 N ELM ST
HIGH POINT, NC 27261

Medicare Hospital Provider Number: 340004

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,486	13	10 - 14	2,209	14	9 - 14
Cancer	94	39	25 - 49	67	43	23 - 50
Cerebrovascular Accidents	153	26	17 - 33	138	32	18 - 36
Gastrointestinal Catastrophes	23	26	13 - 52	14	57	11 - 62
Infectious Disease	33	36	17 - 52	23	26	18 - 56
Metabolic/Electrolyte Disorders	39	21	9 - 41	22	36	10 - 53
Pulmonary Disease	112	30	17 - 37	103	37	16 - 38
Renal Failure	13	38	12 - 72	7	43	9 - 79
Severe Acute Heart Disease	141	40	28 - 47	106	40	29 - 50
Severe Chronic Heart Disease	135	24	14 - 30	136	26	13 - 30
Severe Trauma	12	17	8 - 56	14	21	11 - 58
Gastrointestinal Disease	190	2	1 - 7	160	4	1 - 9
Gynecologic Disease	40	0	0 -100	33	0	0 -100
Low-Risk Heart Disease	259	6	1 - 8	255	5	1 - 8
Musculoskeletal/Skin Conditions	224	2	0 - 7	182	2	1 - 7
Neuropsychiatric/Sensory Disease	58	2	1 - 14	68	3	0 - 17
Urologic Disease	129	2	0 - 17	98	2	0 - 16

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	277
Occupancy Rate (%):	69
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	141
Percent of Physicians Who Are Board Certified Specialists:	65
Interns and Residents:	0
Registered Nurses:	285
Licensed Practical Nurses:	41

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

High Point
Regional Hospital

601 North Elm Street
P.O. Box HP-5
High Point, North Carolina 27261
(919) 884-8400

September 30, 1988

William L. Roper, M.D., Administrator
Healthcare Financing Administration
P. O. Box 26684
Baltimore, Maryland 21207

Dear Dr. Roper:

We are in receipt of your September 15, 1988 letter regarding mortality statistics for Medicare patients treated in our facility in 1987. Our Quality Assurance Department has reviewed these statistics, and we have noted that they all remain within expected ranges. Our medical staff reviews every death as part of the hosital's ongoing Quality Assurance Program. Our death reviews involving 1987 patients did not reveal any signficant problem trends. Therefore, your statistics appear consistent with our own quality assurance results.

Sincerely yours,

Jeffrey S. Miller
President

Medicare Provider #34-0004

JSM/pwp

HIGHLANDS-CASHIERS HOSP- INC

5TH ST DRAWER 190
HIGHLANDS, NC 28741

Medicare Hospital Provider Number: 340146

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	97	15	10 - 25	78	23	8 - 27
Cancer	2	100	9 - 92	0	-	-
Cerebrovascular Accidents	6	17	5 - 68	5	60	5 - 77
Gastrointestinal Catastrophes	2	50	4 - 93	0	-	-
Infectious Disease	2	50	6 - 94	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	3	0	1 - 82
Pulmonary Disease	12	25	13 - 61	3	33	2 - 87
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	7	29	13 - 74	9	44	14 - 72
Severe Chronic Heart Disease	8	13	5 - 59	6	50	2 - 75
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	3	0	0 -100	5	0	0 - 95
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	14	0	0 - 74	14	7	0 - 95
Musculoskeletal/Skin Conditions	6	17	0 -100	3	0	0 -100
Neuropsychiatric/Sensory Disease	3	0	0 -100	2	50	0 -100
Urologic Disease	0	-	-	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	27
Occupancy Rate (%):	37
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	3
Percent of Physicians Who Are Board Certified Specialists:	67
Interns and Residents:	0
Registered Nurses:	6
Licensed Practical Nurses:	3

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HIGHSMITH RAINEY MEMORIAL HOSPITAL

150 ROBESON STREET
FAYETTEVILLE, NC 28301

Medicare Hospital Provider Number: 340164

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,542	14	9 - 14	1,462	11	8 - 13
Cancer	48	40	22 - 53	30	37	22 - 58
Cerebrovascular Accidents	67	25	17 - 39	69	28	18 - 40
Gastrointestinal Catastrophes	9	22	8 - 64	8	38	3 - 69
Infectious Disease	33	45	18 - 54	33	39	17 - 53
Metabolic/Electrolyte Disorders	25	16	6 - 42	19	21	10 - 51
Pulmonary Disease	62	34	15 - 41	63	25	13 - 37
Renal Failure	2	50	2 - 93	3	33	6 - 89
Severe Acute Heart Disease	69	45	28 - 53	55	47	25 - 52
Severe Chronic Heart Disease	92	35	13 - 34	58	26	11 - 35
Severe Trauma	6	17	7 - 70	5	20	7 - 76
Gastrointestinal Disease	100	6	1 - 15	115	3	1 - 9
Gynecologic Disease	19	0	0 -100	20	0	0 -100
Low-Risk Heart Disease	147	3	1 - 8	160	3	1 - 8
Musculoskeletal/Skin Conditions	132	2	0 - 11	118	3	0 - 13
Neuropsychiatric/Sensory Disease	32	9	0 - 89	26	8	0 - 95
Urologic Disease	223	1	1 - 6	210	0	0 - 6

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1988

Total Beds (#): 150
Ownership/Control: Private, For Profit

STAFFING

Interns and Residents: 0
Registered Nurses: 136
Licensed Practical Nurses: 15

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: No

HOOTS MEMORIAL HOSP

625 W MAIN ST BOX 68
YADKINVILLE, NC 27055

Medicare Hospital Provider Number: 340006

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	329	16	12 - 20	315	20	10 - 20
Cancer	7	57	19 - 82	6	50	14 - 81
Cerebrovascular Accidents	18	22	14 - 53	12	33	14 - 64
Gastrointestinal Catastrophes	0	-	-	3	100	6 - 80
Infectious Disease	4	0	6 - 71	5	80	5 - 74
Metabolic/Electrolyte Disorders	18	6	14 - 46	18	11	9 - 45
Pulmonary Disease	43	35	16 - 46	34	41	16 - 50
Renal Failure	1	100	3 - 98	2	100	7 - 92
Severe Acute Heart Disease	17	53	19 - 64	10	70	20 - 73
Severe Chronic Heart Disease	10	50	7 - 64	9	22	9 - 63
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	40	2	1 - 20	42	0	1 - 12
Gynecologic Disease	1	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	32	3	0 - 28	35	14	0 - 53
Musculoskeletal/Skin Conditions	18	0	0 - 73	20	5	0 - 64
Neuropsychiatric/Sensory Disease	13	0	0 - 87	4	0	0 -100
Urologic Disease	7	0	0 - 99	8	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	54
Occupancy Rate (%):	37
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	10
Percent of Physicians Who Are Board Certified Specialists:	80
Interns and Residents:	6
Registered Nurses:	19
Licensed Practical Nurses:	11

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HMH

HOOTS MEMORIAL HOSPITAL

#340006

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Buolevard
Baltimore, Maryland 21207

RE: Comment on HCFA Mortality Data, #340006

Dear Mrs. Kappert:

Even though Hoots Memorial Hospital is well within the "normal" or "accepted" range for Actual Mortality Rate (%), the reported statistics used by HCFA to inform the public on hospital mortality rates for Hoots Memorial Hospital is extremely misleading. HCFA's "Actual Mortality Rate" for RENAL FAILURE at this hospital is 100%! This represents one (1) patient who was 83 years of age, "No Code", who actually died from Cardiopulmonary Arrest but was transfered here in last stage renal failure. So, your "Causes" and "Cases" are very misleading. The information you are publicizing does not reflect the true "cause" (as the report reflects) of death. The report does not state that the average age of the patients in question was 81 years; that 73% of the patients were "No Code"(no resuscitative measures to be taken) request made by either the patient or the patients family. The report also does not state that 43% of the patients were residents of Nursing Homes and were transfered to the hospital for admission; that 4 of the patients were kept in this facility due to the families wishes because the family could not take care of this dying patient at home and could not afford Nursing Home placement; that one patient was transfered to a larger facility and expired within 24 hours of that admission. One other fact not stated is the number of patients that were discharged from larger facilities and transfered to this hospital because the assigned length of stay at the larger facility had been exhausted and the patient could not be placed in a Nursing Home either due to no availability of a room or financial reasons.

As you are aware, Medicare uses stringent guidelines for hospitals in the area of diagnostic coding. Medicare accepts only certain principal diagnosis codes, therefore the statistics used do not reflect the true cause of death, nor does it reflect "the actual percent of those patients who died within 30 days of the admission which resulted in their last 1987 discharge", page 1, Sept. 15, 1988, Dept. of Health & Human Services, William Roper M.D. Stated on page 1, "sharing with you information which was developed using sophisticated statistical techniques based on advice from a wide rage of national experts", "should be helpful to you in examining the patient specific data". Also stated on page 3, "The publication of Medicare Hospital Mortality Information is an ongoing process at HCFA. We will continue to refine the analytic methodologies and data validation techniques which are a part of the process. Just as we made improvements in the methodology used last year, we expect that when the the 1989 release is published, it too will reflect progress toward more accurate and useful information for hospitals, physicians and consumers alike". Page 3 "While page #2

we believe that information on hospital mortality rates is useful, until we have developed additional statistical measures to deal with complex issues such as severity of illness, we cannot and do not recommend the use of the information by itself to make judgements about the quality of care in an individual hospital".

HCFA wants to report mortality data to the public, but precise data is still in the making. To provide hospitals, physicians and consumers accurate information, the information needs to be presented to each audience in different terms. A consumer has absolutely no idea what is involved in the "predictions" nor do they completely understand the full scope of medicine. The consumer sees the reports and does not realize that they receive the best quality care available. The publication will continue to confuse the public.

Statistics are just that - statistics (computations from a sample). Facts are the hospitals, competent medical staffs, trained ancillary department personnel, state of the art equipment, and caring medical professionals that put the patients care above all.

Sincerely,

Kathryn P. Wagner

Kathryn P. Wagner, Director, Medical Records

George Repa, Administrator

HUGH CHATHAM MEMORIAL HOSP-

PARKWOOD DR
ELKIN, NC 28621

Medicare Hospital Provider Number: 340097

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	679	13	9 - 16	648	13	10 - 16
Cancer	13	77	18 - 64	2	50	7 - 96
Cerebrovascular Accidents	35	26	13 - 43	25	12	15 - 43
Gastrointestinal Catastrophes	5	80	13 - 80	6	67	8 - 75
Infectious Disease	4	50	9 - 85	7	71	12 - 74
Metabolic/Electrolyte Disorders	19	21	9 - 50	20	45	16 - 60
Pulmonary Disease	55	31	15 - 41	67	15	14 - 35
Renal Failure	2	50	4 - 93	3	0	16 - 92
Severe Acute Heart Disease	27	41	23 - 60	27	52	24 - 61
Severe Chronic Heart Disease	41	24	13 - 40	36	17	11 - 37
Severe Trauma	1	0	0 - 99	1	100	2 - 97
Gastrointestinal Disease	70	3	0 - 17	65	2	1 - 12
Gynecologic Disease	13	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	85	2	1 - 11	76	1	1 - 10
Musculoskeletal/Skin Conditions	56	0	0 - 10	53	9	1 - 26
Neuropsychiatric/Sensory Disease	28	0	0 - 22	14	0	0 - 95
Urologic Disease	26	0	0 - 32	30	7	0 - 62

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 160
Occupancy Rate (%): 67
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 17
Percent of Physicians Who Are Board Certified Specialists: 76
Interns and Residents: 0
Registered Nurses: 43
Licensed Practical Nurses: 11

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

HUMANA HOSP GREENSBORO

801 GREEN VALLEY RD BOX 29526
GREENSBORO, NC 27408

Medicare Hospital Provider Number: 340157

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	582	10	9 - 15	479	10	7 - 13
Cancer	17	35	21 - 66	13	23	14 - 61
Cerebrovascular Accidents	27	19	12 - 43	22	18	14 - 48
Gastrointestinal Catastrophes	10	30	14 - 69	1	100	0 - 97
Infectious Disease	6	33	7 - 74	3	0	4 - 79
Metabolic/Electrolyte Disorders	9	33	11 - 69	9	33	3 - 66
Pulmonary Disease	30	23	11 - 43	28	14	9 - 39
Renal Failure	2	100	6 - 91	0	-	-
Severe Acute Heart Disease	37	32	22 - 53	14	36	16 - 63
Severe Chronic Heart Disease	36	22	10 - 38	32	34	9 - 43
Severe Trauma	2	50	1 - 93	1	0	0 - 97
Gastrointestinal Disease	32	0	0 - 23	24	0	0 - 33
Gynecologic Disease	4	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	76	1	1 - 10	55	4	0 - 23
Musculoskeletal/Skin Conditions	64	0	0 - 11	69	0	0 - 9
Neuropsychiatric/Sensory Disease	48	0	0 - 21	54	2	0 - 38
Urologic Disease	33	0	0 - 67	16	0	0 - 93

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	103
Occupancy Rate (%):	49
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	208
Percent of Physicians Who Are Board Certified Specialists:	62
Interns and Residents:	0
Registered Nurses:	79
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

IREDELL MEMORIAL HOSP- INC

BROOKSDALE AT HARTNESS RD
STATESVILLE, NC 28677

Medicare Hospital Provider Number: 340039

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,479	11	9 - 13	1,420	11	9 - 14
Cancer	34	53	24 - 59	43	51	27 - 59
Cerebrovascular Accidents	48	19	15 - 39	63	29	18 - 41
Gastrointestinal Catastrophes	13	46	12 - 64	9	44	10 - 70
Infectious Disease	16	25	13 - 57	21	38	21 - 63
Metabolic/Electrolyte Disorders	14	36	13 - 62	20	20	8 - 48
Pulmonary Disease	85	32	15 - 38	79	20	16 - 36
Renal Failure	1	0	2 - 97	7	43	11 - 80
Severe Acute Heart Disease	75	37	25 - 49	60	37	27 - 52
Severe Chronic Heart Disease	55	24	12 - 36	49	16	11 - 34
Severe Trauma	2	0	1 - 92	0	-	-
Gastrointestinal Disease	124	6	0 - 14	119	7	0 - 15
Gynecologic Disease	10	0	0 -100	19	0	0 -100
Low-Risk Heart Disease	213	3	2 - 7	198	4	2 - 8
Musculoskeletal/Skin Conditions	157	2	0 - 8	138	1	0 - 6
Neuropsychiatric/Sensory Disease	54	4	0 - 29	48	2	0 - 34
Urologic Disease	76	1	0 - 25	70	3	0 - 48

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	184
Occupancy Rate (%):	71
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	73
Percent of Physicians Who Are Board Certified Specialists:	79
Interns and Residents:	0
Registered Nurses:	245
Licensed Practical Nurses:	24

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

J ARTHUR DOSHER MEMORIAL HOSP

924 HOWE ST
SOUTHPORT , NC 28461

Medicare Hospital Provider Number: 340121

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	238	13	7 - 17	300	10	7 - 15
Cancer	9	78	17 - 70	5	80	18 - 85
Cerebrovascular Accidents	10	30	8 - 62	12	58	9 - 61
Gastrointestinal Catastrophes	0	-	-	4	0	6 - 71
Infectious Disease	0	-	-	1	100	2 - 97
Metabolic/Electrolyte Disorders	1	0	0 - 99	3	0	9 - 82
Pulmonary Disease	27	19	12 - 44	32	9	9 - 34
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	1	100	2 - 98	11	64	12 - 65
Severe Chronic Heart Disease	14	29	6 - 54	6	17	4 - 68
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	21	0	0 - 75	45	2	0 - 21
Gynecologic Disease	2	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	28	11	0 - 60	51	0	1 - 10
Musculoskeletal/Skin Conditions	12	0	0 - 78	14	0	0 -100
Neuropsychiatric/Sensory Disease	2	0	0 -100	2	0	0 -100
Urologic Disease	12	0	0 -100	13	15	0 - 99

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	40
Occupancy Rate (%):	43
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	9
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	20
Licensed Practical Nurses:	5

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

JOHN UMSTEAD HOSP

12TH STREET
BUTNER, NC 27509

Medicare Hospital Provider Number: 340136

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	38	13	3 - 28	62	15	6 - 25
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	0	-	-	1	0	0 - 99
Gastrointestinal Catastrophes	0	-	-	1	0	0 - 99
Infectious Disease	0	-	-	1	0	0 - 98
Metabolic/Electrolyte Disorders	3	0	2 - 81	6	17	3 - 69
Pulmonary Disease	7	29	3 - 69	16	13	6 - 44
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	1	100	0 -100	0	-	-
Severe Chronic Heart Disease	2	0	0 - 92	1	100	1 - 97
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	0	-	-	1	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	3	0	0 -100	5	0	0 -100
Musculoskeletal/Skin Conditions	2	0	0 -100	2	0	0 -100
Neuropsychiatric/Sensory Disease	6	0	0 - 98	4	25	0 -100
Urologic Disease	0	-	-	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	68
Ownership/Control:	State Government

STAFFING

Interns and Residents:	0
Registered Nurses:	17
Licensed Practical Nurses:	17

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

JOHNSTON MEMORIAL HOSP-

HIGHWAY 301 N
SMITHFIELD, NC 27577

Medicare Hospital Provider Number: 340090

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,022	12	9 - 14	824	12	8 - 14
Cancer	22	41	26 - 67	16	31	20 - 65
Cerebrovascular Accidents	48	40	15 - 44	49	35	14 - 41
Gastrointestinal Catastrophes	9	22	9 - 65	4	0	4 - 71
Infectious Disease	13	23	12 - 60	12	25	19 - 68
Metabolic/Electrolyte Disorders	6	33	3 - 74	10	40	7 - 65
Pulmonary Disease	59	37	11 - 38	50	28	13 - 40
Renal Failure	0	-	-	3	33	5 - 88
Severe Acute Heart Disease	45	29	23 - 51	33	30	22 - 54
Severe Chronic Heart Disease	46	26	14 - 40	41	29	10 - 39
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	101	1	1 - 8	73	5	0 - 29
Gynecologic Disease	13	0	0 -100	20	0	0 -100
Low-Risk Heart Disease	107	7	1 - 16	68	9	0 - 29
Musculoskeletal/Skin Conditions	92	3	0 - 14	84	1	0 - 12
Neuropsychiatric/Sensory Disease	92	2	0 - 13	73	1	0 - 28
Urologic Disease	43	0	0 - 19	46	0	0 - 31

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	107
Occupancy Rate (%):	79
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	33
Percent of Physicians Who Are Board Certified Specialists:	45
Interns and Residents:	0
Registered Nurses:	85
Licensed Practical Nurses:	44

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

KINGS MOUNTAIN HOSP- INC

706 W KING ST
KINGS MOUNTAIN, NC 28086

Medicare Hospital Provider Number: 340037

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	495	17	10 - 18	479	19	11 - 19
Cancer	23	65	28 - 67	21	76	24 - 62
Cerebrovascular Accidents	30	23	11 - 42	30	27	11 - 43
Gastrointestinal Catastrophes	7	14	6 - 65	4	0	4 - 71
Infectious Disease	7	29	5 - 69	9	33	8 - 67
Metabolic/Electrolyte Disorders	15	13	6 - 48	19	11	11 - 46
Pulmonary Disease	30	30	9 - 44	28	29	9 - 44
Renal Failure	1	0	3 - 98	5	60	10 - 84
Severe Acute Heart Disease	42	45	22 - 53	41	56	24 - 55
Severe Chronic Heart Disease	28	29	7 - 42	21	19	7 - 43
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	36	3	0 - 37	48	8	0 - 34
Gynecologic Disease	1	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	81	4	0 - 16	45	2	0 - 24
Musculoskeletal/Skin Conditions	33	0	0 - 31	29	7	0 - 97
Neuropsychiatric/Sensory Disease	7	0	0 -100	5	0	0 -100
Urologic Disease	14	0	0 -100	12	8	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	81
Occupancy Rate (%):	47
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	22
Percent of Physicians Who Are Board Certified Specialists:	68
Interns and Residents:	0
Registered Nurses:	49
Licensed Practical Nurses:	27

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

KOALA CENTER/CHAPS

5010 S ALSTON
DURHAM, NC 27713

Medicare Hospital Provider Number: 340167

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	10	0	0 -100	0	-	-
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	0	-	-	0	-	-
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	0	-	-	0	-	-
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	0	-	-
Severe Chronic Heart Disease	0	-	-	0	-	-
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	0	-	-	0	-	-
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	0	-	-	0	-	-
Musculoskeletal/Skin Conditions	0	-	-	0	-	-
Neuropsychiatric/Sensory Disease	10	0	0 -100	0	-	-
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	42
Ownership/Control:	Private, For Profit

STAFFING

Interns and Residents:	0
Registered Nurses:	7
Licensed Practical Nurses:	3

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

L RICHARDSON MEMORIAL HOSP-

2401 SOUTHSIDE BLVD
GREENSBORO, NC 27406

Medicare Hospital Provider Number: 340100

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	256	15	9 - 18	226	19	8 - 19
Cancer	5	20	13 - 79	3	100	17 - 89
Cerebrovascular Accidents	15	0	12 - 37	10	30	6 - 61
Gastrointestinal Catastrophes	1	100	0 - 98	3	67	3 - 86
Infectious Disease	9	56	9 - 69	5	80	15 - 81
Metabolic/Electrolyte Disorders	20	35	6 - 51	3	0	1 - 84
Pulmonary Disease	12	17	5 - 52	12	25	6 - 56
Renal Failure	6	17	12 - 79	1	100	3 - 98
Severe Acute Heart Disease	5	20	5 - 74	10	70	13 - 67
Severe Chronic Heart Disease	18	33	10 - 53	19	32	7 - 50
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	14	7	0 - 99	16	0	0 - 72
Gynecologic Disease	1	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	19	0	0 - 65	30	7	0 - 34
Musculoskeletal/Skin Conditions	20	0	0 - 95	22	9	0 -100
Neuropsychiatric/Sensory Disease	4	0	0 -100	7	0	1 - 60
Urologic Disease	5	0	0 -100	6	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 68
Occupancy Rate (%): 44
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 40
Percent of Physicians Who Are Board Certified Specialists: 42
Interns and Residents: 0
Registered Nurses: 36
Licensed Practical Nurses: 10

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

LAKE NORMAN REGIONAL MEDICAL CTR

610 E CENTER AV
MOORESVILLE, NC 28115

Medicare Hospital Provider Number: 340129

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	564	13	9 - 16	524	12	9 - 16
Cancer	14	64	20 - 68	7	43	12 - 76
Cerebrovascular Accidents	24	29	10 - 47	20	25	10 - 49
Gastrointestinal Catastrophes	4	25	5 - 80	0	-	-
Infectious Disease	8	13	10 - 63	3	0	5 - 79
Metabolic/Electrolyte Disorders	10	20	18 - 69	16	13	3 - 46
Pulmonary Disease	40	22	12 - 40	47	30	15 - 43
Renal Failure	4	0	10 - 78	4	25	10 - 86
Severe Acute Heart Disease	33	45	22 - 57	39	44	27 - 58
Severe Chronic Heart Disease	18	33	10 - 53	37	16	10 - 36
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	34	6	0 - 43	37	3	0 - 34
Gynecologic Disease	5	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	105	0	1 - 6	102	3	1 - 11
Musculoskeletal/Skin Conditions	64	0	0 - 10	32	3	0 - 83
Neuropsychiatric/Sensory Disease	9	0	0 -100	11	0	0 -100
Urologic Disease	15	7	0 - 83	28	0	0 - 33

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 111
Occupancy Rate (%): 32
Ownership/Control: Private, For Profit

STAFFING

Total Number of Physicians: (not available)
Percent of Physicians Who Are Board Certified Specialists: (not available)
Interns and Residents: (not available)
Registered Nurses: (not available)
Licensed Practical Nurses: (not available)

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

LENOIR MEMORIAL HOSP-

100 AIRPORT RD
KINSTON, NC 28501

Medicare Hospital Provider Number: 340027

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,968	13	10 - 14	1,876	13	11 - 15
Cancer	40	38	23 - 55	50	64	24 - 53
Cerebrovascular Accidents	91	26	18 - 38	113	27	18 - 36
Gastrointestinal Catastrophes	10	10	13 - 59	20	30	12 - 55
Infectious Disease	41	49	18 - 52	34	24	23 - 56
Metabolic/Electrolyte Disorders	45	24	8 - 39	32	22	7 - 41
Pulmonary Disease	114	25	15 - 34	106	20	15 - 33
Renal Failure	20	55	15 - 69	29	48	16 - 68
Severe Acute Heart Disease	97	40	28 - 50	133	36	29 - 48
Severe Chronic Heart Disease	118	21	14 - 30	80	22	15 - 35
Severe Trauma	0	-	-	2	50	0 - 95
Gastrointestinal Disease	147	4	1 - 10	104	4	0 - 13
Gynecologic Disease	22	0	0 -100	9	0	0 -100
Low-Risk Heart Disease	317	3	2 - 7	325	2	1 - 5
Musculoskeletal/Skin Conditions	167	4	0 - 12	140	1	0 - 8
Neuropsychiatric/Sensory Disease	31	3	0 - 38	39	5	0 - 54
Urologic Disease	59	0	0 - 18	64	2	0 - 27

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	247
Occupancy Rate (%):	65
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	61
Percent of Physicians Who Are Board Certified Specialists:	77
Interns and Residents:	0
Registered Nurses:	147
Licensed Practical Nurses:	53

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

LEXINGTON MEMORIAL HOSPITAL INC

OLD SALISBURY RD BOX 1817
LEXINGTON, NC 27292

Medicare Hospital Provider Number: 340096

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	848	10	9 - 14	769	11	9 - 15
Cancer	17	65	23 - 67	22	77	25 - 62
Cerebrovascular Accidents	36	28	17 - 47	34	15	18 - 44
Gastrointestinal Catastrophes	10	10	9 - 56	9	11	6 - 57
Infectious Disease	9	11	15 - 63	8	13	11 - 64
Metabolic/Electrolyte Disorders	6	33	6 - 74	6	33	1 - 77
Pulmonary Disease	49	14	12 - 35	43	19	9 - 36
Renal Failure	4	25	12 - 88	5	40	8 - 83
Severe Acute Heart Disease	41	39	23 - 53	38	50	20 - 52
Severe Chronic Heart Disease	38	21	14 - 41	49	12	13 - 34
Severe Trauma	0	-	-	1	0	0 - 98
Gastrointestinal Disease	103	2	0 - 10	70	0	1 - 8
Gynecologic Disease	13	0	0 -100	9	0	0 -100
Low-Risk Heart Disease	127	3	1 - 9	124	1	2 - 7
Musculoskeletal/Skin Conditions	58	2	0 - 19	41	2	0 - 23
Neuropsychiatric/Sensory Disease	21	0	0 - 77	23	4	0 - 87
Urologic Disease	54	2	0 - 20	44	5	0 - 96

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	94
Occupancy Rate (%):	64
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	46
Percent of Physicians Who Are Board Certified Specialists:	76
Interns and Residents:	0
Registered Nurses:	92
Licensed Practical Nurses:	9

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

LINCOLN CO HOSP

321/150 BYPASS BOX 677
LINCOLNTON, NC 28092

Medicare Hospital Provider Number: 340145

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	574	19	10 - 17	546	17	10 - 18
Cancer	10	70	18 - 71	14	57	16 - 65
Cerebrovascular Accidents	30	30	13 - 46	38	24	17 - 45
Gastrointestinal Catastrophes	7	43	6 - 72	3	33	0 - 91
Infectious Disease	5	60	6 - 78	2	50	3 - 92
Metabolic/Electrolyte Disorders	11	27	3 - 61	8	13	5 - 60
Pulmonary Disease	42	50	16 - 47	39	36	12 - 43
Renal Failure	5	80	9 - 80	4	75	8 - 85
Severe Acute Heart Disease	52	42	22 - 50	52	35	27 - 54
Severe Chronic Heart Disease	30	27	8 - 41	34	26	9 - 40
Severe Trauma	1	0	0 - 97	1	0	0 - 99
Gastrointestinal Disease	54	0	0 - 11	63	3	0 - 18
Gynecologic Disease	10	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	77	5	1 - 16	61	7	0 - 26
Musculoskeletal/Skin Conditions	27	4	0 - 72	28	0	0 - 32
Neuropsychiatric/Sensory Disease	3	33	0 -100	13	8	0 -100
Urologic Disease	28	0	0 - 53	22	5	0 - 48

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	68
Occupancy Rate (%):	54
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	28
Percent of Physicians Who Are Board Certified Specialists:	68
Interns and Residents:	0
Registered Nurses:	52
Licensed Practical Nurses:	16

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MARGARET R PARDEE MEMORIAL HOSP

715 FLEMING ST
HENDERSONVILLE, NC 28739

Medicare Hospital Provider Number: 340017

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,001	9	10 - 14	1,971	10	9 - 14
Cancer	65	34	30 - 56	58	57	32 - 60
Cerebrovascular Accidents	97	28	19 - 38	90	24	18 - 37
Gastrointestinal Catastrophes	12	17	15 - 61	14	21	14 - 60
Infectious Disease	11	18	11 - 60	11	36	12 - 67
Metabolic/Electrolyte Disorders	33	18	14 - 46	35	9	10 - 37
Pulmonary Disease	130	16	15 - 32	131	25	16 - 34
Renal Failure	2	0	1 - 90	4	50	8 - 87
Severe Acute Heart Disease	78	41	28 - 52	85	33	28 - 50
Severe Chronic Heart Disease	90	13	14 - 30	58	16	13 - 33
Severe Trauma	3	0	1 - 84	0	-	-
Gastrointestinal Disease	184	3	1 - 8	161	3	1 - 8
Gynecologic Disease	19	0	0 -100	17	0	0 -100
Low-Risk Heart Disease	219	3	2 - 7	219	1	2 - 6
Musculoskeletal/Skin Conditions	214	1	1 - 6	222	1	1 - 6
Neuropsychiatric/Sensory Disease	39	0	0 - 16	49	6	0 - 45
Urologic Disease	103	1	0 - 12	82	1	0 - 11

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	189
Occupancy Rate (%):	61
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MARIA PARHAM HOSP

RUIN CREEK RD
HENDERSON, NC 27536

Medicare Hospital Provider Number: 340132

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	840	12	8 - 14	749	16	8 - 15
Cancer	16	19	14 - 55	16	56	13 - 61
Cerebrovascular Accidents	33	24	10 - 40	30	37	13 - 48
Gastrointestinal Catastrophes	7	29	6 - 70	6	17	4 - 69
Infectious Disease	11	55	9 - 64	17	47	13 - 60
Metabolic/Electrolyte Disorders	36	19	13 - 45	20	35	6 - 51
Pulmonary Disease	63	24	13 - 37	72	28	12 - 36
Renal Failure	2	50	1 - 93	1	0	1 - 97
Severe Acute Heart Disease	37	30	24 - 54	32	50	22 - 57
Severe Chronic Heart Disease	37	22	9 - 37	29	17	12 - 41
Severe Trauma	0	-	-	1	0	0 - 99
Gastrointestinal Disease	88	1	0 - 12	72	0	0 - 9
Gynecologic Disease	5	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	96	2	1 - 10	63	8	0 - 29
Musculoskeletal/Skin Conditions	49	4	0 - 47	42	0	0 - 35
Neuropsychiatric/Sensory Disease	8	0	0 -100	4	0	0 -100
Urologic Disease	39	0	0 - 81	54	4	0 - 47

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	86
Occupancy Rate (%):	63
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	35
Percent of Physicians Who Are Board Certified Specialists:	74
Interns and Residents:	0
Registered Nurses:	48
Licensed Practical Nurses:	30

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MARTIN GENERAL HOSP-

310 S MCCASKEY RD P O BOX 1128
WILLIAMSTON, NC 27892

Medicare Hospital Provider Number: 340133

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	235	20	9 - 20	227	16	8 - 18
Cancer	1	100	3 - 99	2	100	2 - 88
Cerebrovascular Accidents	8	50	5 - 68	18	22	10 - 50
Gastrointestinal Catastrophes	1	100	0 - 98	1	0	3 - 99
Infectious Disease	6	50	11 - 79	7	43	10 - 75
Metabolic/Electrolyte Disorders	8	25	5 - 66	6	50	1 - 79
Pulmonary Disease	14	36	7 - 57	19	21	6 - 46
Renal Failure	4	75	11 - 87	2	100	1 - 90
Severe Acute Heart Disease	16	31	18 - 62	12	50	15 - 67
Severe Chronic Heart Disease	9	33	7 - 65	11	18	3 - 55
Severe Trauma	1	0	0 - 98	0	-	-
Gastrointestinal Disease	23	17	0 - 84	16	0	0 - 50
Gynecologic Disease	0	-	-	4	0	0 -100
Low-Risk Heart Disease	31	10	0 - 54	25	8	0 - 59
Musculoskeletal/Skin Conditions	12	0	0 - 99	9	0	0 -100
Neuropsychiatric/Sensory Disease	3	0	0 -100	1	0	0 -100
Urologic Disease	5	0	0 -100	3	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 49
Occupancy Rate (%): 45
Ownership/Control: Local Government

STAFFING

Total Number of Physicians: 8
Percent of Physicians Who Are Board Certified Specialists: 63
Interns and Residents: 0
Registered Nurses: 37
Licensed Practical Nurses: 15

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

MCPHERSON HOSP

1110 W MAIN ST
DURHAM, NC 27701

Medicare Hospital Provider Number: 340049

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	89	0	0 - 8	132	1	1 - 7
Cancer	0	-	-	1	0	0 - 97
Cerebrovascular Accidents	0	-	-	0	-	-
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	0	-	-	0	-	-
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	0	-	-
Severe Chronic Heart Disease	0	-	-	0	-	-
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	1	0	0 -100	2	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	0	-	-	0	-	-
Musculoskeletal/Skin Conditions	1	0	0 -100	1	0	0 -100
Neuropsychiatric/Sensory Disease	72	0	0 - 13	90	1	0 - 18
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1988

Total Beds (#):	24
Ownership/Control:	Private, For Profit

STAFFING

Interns and Residents:	3
Registered Nurses:	14
Licensed Practical Nurses:	14

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	Yes
Hospice Care:	No

MEDICAL PARK HOSP

1950 S HAWTHORNE RD
WINSTON-SALEM, NC 27103

Medicare Hospital Provider Number: 340148

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	926	1	3 - 7	922	2	4 - 9
Cancer	19	32	19 - 61	29	31	27 - 62
Cerebrovascular Accidents	1	0	0 - 99	3	0	4 - 79
Gastrointestinal Catastrophes	3	0	6 - 80	7	43	8 - 73
Infectious Disease	2	0	0 - 93	2	0	1 - 90
Metabolic/Electrolyte Disorders	2	0	2 - 88	6	17	4 - 69
Pulmonary Disease	4	0	3 - 71	5	0	6 - 63
Renal Failure	0	-	-	1	0	2 - 97
Severe Acute Heart Disease	0	-	-	2	0	3 - 88
Severe Chronic Heart Disease	0	-	-	0	-	-
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	152	2	1 - 8	162	1	1 - 6
Gynecologic Disease	63	0	0 - 48	59	0	0 - 60
Low-Risk Heart Disease	20	5	0 - 86	36	0	0 - 22
Musculoskeletal/Skin Conditions	91	0	0 - 8	73	0	0 - 9
Neuropsychiatric/Sensory Disease	13	0	0 - 99	23	0	0 - 80
Urologic Disease	230	0	1 - 4	193	1	0 - 6

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	136
Occupancy Rate (%):	47
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	98
Percent of Physicians Who Are Board Certified Specialists:	76
Interns and Residents:	0
Registered Nurses:	94
Licensed Practical Nurses:	25

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MEMORIAL MISSION HOSP OF W NC

509 BILTMORE AVE
ASHEVILLE, NC 28801

Medicare Hospital Provider Number: 340002

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,176	11	10 - 14	3,087	12	10 - 14
Cancer	117	27	28 - 49	104	27	27 - 49
Cerebrovascular Accidents	133	23	17 - 33	129	25	19 - 36
Gastrointestinal Catastrophes	28	36	23 - 61	30	30	25 - 61
Infectious Disease	37	32	22 - 55	41	37	21 - 54
Metabolic/Electrolyte Disorders	31	35	7 - 46	29	31	10 - 47
Pulmonary Disease	154	25	19 - 37	146	24	16 - 33
Renal Failure	18	44	16 - 71	10	50	14 - 78
Severe Acute Heart Disease	160	33	28 - 45	161	41	29 - 46
Severe Chronic Heart Disease	134	22	16 - 32	105	19	16 - 33
Severe Trauma	20	15	10 - 49	23	26	11 - 52
Gastrointestinal Disease	145	5	1 - 10	151	3	1 - 9
Gynecologic Disease	25	0	0 -100	21	0	0 -100
Low-Risk Heart Disease	546	5	2 - 7	498	6	2 - 7
Musculoskeletal/Skin Conditions	339	1	1 - 5	379	3	1 - 6
Neuropsychiatric/Sensory Disease	140	3	1 - 9	158	3	1 - 8
Urologic Disease	50	2	0 - 20	43	2	0 - 51

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 345
Occupancy Rate (%): 86
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 222
Percent of Physicians Who Are Board Certified Specialists: 82
Interns and Residents: 0
Registered Nurses: 430
Licensed Practical Nurses: 120

SPECIALTY SERVICES

Shock/Trauma Unit: Yes
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: No

Memorial Mission Medical Center

October 12, 1988

Ms. Sandra Kappert
Health Standards and Quality Bureau, HCFA
2D2 Meadows East Building
6235 Security Boulevard
Baltimore, Maryland 21207

Dear Ms. Kappert:

Once again we find ourselves in the dilemma of not only discussing, but justifying the results of our quality assurance data to the press, the community, the Hospital's Board of Directors, and the physicians based solely on the distribution of the Medicare Hospital Mortality Data. Data that is superficial and based on the lowest denominator of care without significant explanation as to the causal relationships between mortality and quality of care. The activity generated as a result of this publication might better be spent in developing sound quality indicators that do have bearing on the overall performance of the healthcare industry. While it may not be as timely to wait for the true indicators to surface, it would be a worthwhile effort and one endorsed by healthcare providers across the country if you were to work toward the development.

The amount of energy and resources committed in health care today to provide surveillance, interaction, and corrective action regarding quality of care certainly has improved tremendously the overall performance of healthcare providers in this country. The mentality and the receptivity of medical staffs across the country have gone from resignation to acceptance, endorsement, and full participation of quality assurance activities.

It is unfortunate that the Health Care Finance Administration cannot be the catalyst for this activity. In fact, the Health Care Finance Administration has decided unilaterally which direction it was going to take and how it was going to take it without any consideration for the Joint Commission of Accreditation of Healthcare Organizations (JCAHO). The JCAHO has been the leading force in the development of quality criteria. I wish you and your office could demonstrate the same responsibility and objectivity that this group does. When confronted with obstacles that suggest indicators are not appropriate or true judges of quality, rather than proceed in a blind fashion, the JCAHO has rescinded, regrouped, and restructured those indicators so they would be true and valuable to health care.

As I stated earlier, we fill defend, explain, and justify our existence on a regular basis, but once again, we are forced to expend valuable resources on what in our minds is not a very valuable publication--The Hospital Mortality Data.

Sincerely,

Frank J. Spilker
Vice President, Operations

MERCY HOSP INC

2001 VAIL AVE
CHARLOTTE, NC 28207

Medicare Hospital Provider Number: 340098

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,915	11	10 - 15	1,850	13	10 - 15
Cancer	82	48	28 - 53	90	39	26 - 51
Cerebrovascular Accidents	103	20	16 - 33	82	22	17 - 37
Gastrointestinal Catastrophes	14	36	12 - 62	11	36	10 - 65
Infectious Disease	38	39	16 - 50	28	18	16 - 49
Metabolic/Electrolyte Disorders	41	12	13 - 41	40	22	13 - 44
Pulmonary Disease	91	22	14 - 34	108	24	13 - 32
Renal Failure	11	27	15 - 74	11	45	9 - 73
Severe Acute Heart Disease	123	31	27 - 46	116	32	28 - 47
Severe Chronic Heart Disease	96	29	13 - 33	87	30	13 - 34
Severe Trauma	6	0	11 - 63	3	0	2 - 80
Gastrointestinal Disease	124	2	1 - 8	109	4	0 - 12
Gynecologic Disease	23	0	0 -100	15	0	0 -100
Low-Risk Heart Disease	340	4	2 - 7	280	7	1 - 9
Musculoskeletal/Skin Conditions	119	1	1 - 7	137	0	0 - 5
Neuropsychiatric/Sensory Disease	59	0	0 - 11	45	9	0 - 67
Urologic Disease	89	1	0 - 26	86	1	0 - 11

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	228
Occupancy Rate (%):	64
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	377
Percent of Physicians Who Are Board Certified Specialists:	83
Interns and Residents:	0
Registered Nurses:	246
Licensed Practical Nurses:	47

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

MONTGOMERY MEMORIAL HOSP

520 ALLEN ST
TROY, NC 27371

Medicare Hospital Provider Number: 340063

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	446	13	8 - 15	418	14	10 - 17
Cancer	10	80	19 - 70	13	85	29 - 72
Cerebrovascular Accidents	11	27	9 - 60	12	17	6 - 52
Gastrointestinal Catastrophes	1	0	0 - 98	3	33	7 - 88
Infectious Disease	5	20	8 - 76	2	50	6 - 94
Metabolic/Electrolyte Disorders	22	5	6 - 36	13	0	7 - 39
Pulmonary Disease	42	24	11 - 39	28	14	11 - 40
Renal Failure	0	-	-	2	100	5 - 90
Severe Acute Heart Disease	20	55	19 - 62	38	39	24 - 55
Severe Chronic Heart Disease	16	19	6 - 47	22	18	11 - 45
Severe Trauma	0	-	-	2	0	1 - 90
Gastrointestinal Disease	48	0	0 - 14	30	7	0 - 42
Gynecologic Disease	6	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	39	5	0 - 35	57	0	1 - 9
Musculoskeletal/Skin Conditions	14	7	0 -100	20	15	0 -100
Neuropsychiatric/Sensory Disease	15	13	0 - 98	8	0	0 - 97
Urologic Disease	26	0	0 - 57	19	5	0 - 99

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	78
Occupancy Rate (%):	52
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	18
Percent of Physicians Who Are Board Certified Specialists:	78
Interns and Residents:	0
Registered Nurses:	31
Licensed Practical Nurses:	15

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MOORE REGIONAL HOSPITAL INC

PO BOX 300 PAGE RD
PINEHURST, NC 28374

Medicare Hospital Provider Number: 340115

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,943	12	10 - 14	2,723	11	10 - 14
Cancer	110	54	31 - 54	103	28	29 - 51
Cerebrovascular Accidents	291	21	20 - 32	229	22	19 - 33
Gastrointestinal Catastrophes	19	37	14 - 59	25	60	19 - 59
Infectious Disease	55	33	23 - 52	37	19	19 - 49
Metabolic/Electrolyte Disorders	26	27	13 - 51	21	29	11 - 52
Pulmonary Disease	157	22	19 - 35	139	31	16 - 34
Renal Failure	13	54	13 - 73	12	58	18 - 79
Severe Acute Heart Disease	82	38	26 - 49	77	43	29 - 52
Severe Chronic Heart Disease	102	19	16 - 32	97	30	14 - 33
Severe Trauma	8	13	10 - 64	9	33	14 - 72
Gastrointestinal Disease	157	4	1 - 10	154	3	1 - 8
Gynecologic Disease	33	0	0 -100	28	4	0 -100
Low-Risk Heart Disease	231	4	1 - 7	213	2	2 - 7
Musculoskeletal/Skin Conditions	362	2	1 - 6	334	1	1 - 4
Neuropsychiatric/Sensory Disease	156	3	0 - 11	147	1	0 - 8
Urologic Disease	186	1	0 - 6	174	0	0 - 5

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	312
Occupancy Rate (%):	82
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	88
Percent of Physicians Who Are Board Certified Specialists:	84
Interns and Residents:	0
Registered Nurses:	333
Licensed Practical Nurses:	68

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

MOREHEAD MEMORIAL HOSP-

117 E KINGS HIGHWAY
EDEN, NC 27288

Medicare Hospital Provider Number: 340060

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	811	10	10 - 15	754	14	10 - 16
Cancer	20	45	27 - 70	24	54	24 - 64
Cerebrovascular Accidents	51	31	15 - 41	34	24	14 - 44
Gastrointestinal Catastrophes	5	20	5 - 74	9	22	17 - 71
Infectious Disease	7	29	8 - 71	7	43	9 - 73
Metabolic/Electrolyte Disorders	12	0	10 - 43	16	31	6 - 54
Pulmonary Disease	63	19	16 - 38	58	28	14 - 40
Renal Failure	2	50	8 - 98	0	-	-
Severe Acute Heart Disease	34	26	21 - 52	45	47	25 - 54
Severe Chronic Heart Disease	42	17	11 - 36	39	15	10 - 35
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	65	0	0 - 9	63	5	0 - 20
Gynecologic Disease	10	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	101	2	1 - 9	93	0	1 - 6
Musculoskeletal/Skin Conditions	40	0	1 - 15	36	0	0 - 19
Neuropsychiatric/Sensory Disease	22	5	0 - 76	10	10	0 -100
Urologic Disease	26	0	0 - 87	34	3	0 - 51

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	109
Occupancy Rate (%):	73
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	30
Percent of Physicians Who Are Board Certified Specialists:	60
Interns and Residents:	0
Registered Nurses:	78
Licensed Practical Nurses:	18

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MURPHY MEDICAL CENTER

2002 US HIGHWAY 64 EAST
MURPHY, NC 28906

Medicare Hospital Provider Number: 340160

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	394	13	12 - 19	354	12	11 - 18
Cancer	10	40	21 - 76	4	75	18 - 92
Cerebrovascular Accidents	15	33	11 - 57	16	19	13 - 53
Gastrointestinal Catastrophes	3	33	6 - 87	3	33	3 - 86
Infectious Disease	3	67	8 - 89	5	40	10 - 81
Metabolic/Electrolyte Disorders	6	33	4 - 73	5	40	4 - 78
Pulmonary Disease	54	20	18 - 42	48	21	14 - 40
Renal Failure	2	50	3 - 92	2	50	5 - 94
Severe Acute Heart Disease	19	42	22 - 64	27	22	23 - 56
Severe Chronic Heart Disease	32	16	13 - 40	17	6	9 - 39
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	32	0	0 - 19	29	3	0 - 64
Gynecologic Disease	0	-	-	2	0	0 -100
Low-Risk Heart Disease	46	2	1 - 17	53	2	0 - 16
Musculoskeletal/Skin Conditions	20	5	0 - 93	18	6	0 -100
Neuropsychiatric/Sensory Disease	7	0	0 -100	13	8	0 -100
Urologic Disease	17	0	0 -100	3	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	168
Occupancy Rate (%):	80
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	18
Percent of Physicians Who Are Board Certified Specialists:	61
Interns and Residents:	0
Registered Nurses:	24
Licensed Practical Nurses:	18

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

NASH GENERAL HOSP

CURTIS ELLIS DR
ROCKY MOUNT, NC 27804

Medicare Hospital Provider Number: 340147

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,035	12	11 - 15	2,058	13	11 - 16
Cancer	72	51	30 - 56	72	53	29 - 56
Cerebrovascular Accidents	120	18	18 - 34	120	17	20 - 35
Gastrointestinal Catastrophes	9	56	10 - 69	24	33	13 - 53
Infectious Disease	17	24	17 - 60	16	31	13 - 59
Metabolic/Electrolyte Disorders	54	30	14 - 44	41	12	16 - 44
Pulmonary Disease	112	25	16 - 35	143	21	15 - 33
Renal Failure	10	30	7 - 70	10	30	7 - 71
Severe Acute Heart Disease	92	34	30 - 52	87	30	27 - 49
Severe Chronic Heart Disease	123	24	15 - 32	149	28	16 - 32
Severe Trauma	6	17	4 - 70	3	33	2 - 86
Gastrointestinal Disease	128	3	1 - 9	134	4	1 - 10
Gynecologic Disease	23	0	0 -100	25	0	0 -100
Low-Risk Heart Disease	246	4	2 - 8	273	2	2 - 6
Musculoskeletal/Skin Conditions	122	2	1 - 8	120	1	1 - 7
Neuropsychiatric/Sensory Disease	72	3	0 - 19	44	9	0 - 67
Urologic Disease	80	1	0 - 12	62	0	0 - 12

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	282
Occupancy Rate (%):	71
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	87
Percent of Physicians Who Are Board Certified Specialists:	78
Interns and Residents:	0
Registered Nurses:	218
Licensed Practical Nurses:	51

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

NEW HANOVER MEMORIAL HOSP-

2131 S 17TH ST BOX 9000
WILMINGTON, NC 28401

Medicare Hospital Provider Number: 340141

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,305	13	10 - 14	3,029	12	9 - 13
Cancer	143	36	27 - 48	137	36	25 - 47
Cerebrovascular Accidents	149	21	16 - 32	119	30	17 - 35
Gastrointestinal Catastrophes	38	45	18 - 53	47	36	20 - 52
Infectious Disease	45	44	22 - 54	35	49	20 - 56
Metabolic/Electrolyte Disorders	64	34	16 - 45	35	29	11 - 45
Pulmonary Disease	166	22	16 - 32	164	24	16 - 33
Renal Failure	23	57	10 - 64	25	24	7 - 60
Severe Acute Heart Disease	107	40	28 - 49	94	36	27 - 48
Severe Chronic Heart Disease	164	25	16 - 31	144	22	14 - 29
Severe Trauma	8	13	6 - 62	7	29	11 - 74
Gastrointestinal Disease	250	4	1 - 8	227	2	1 - 6
Gynecologic Disease	59	0	0 -100	36	0	0 - 87
Low-Risk Heart Disease	407	4	2 - 6	395	4	2 - 6
Musculoskeletal/Skin Conditions	226	3	1 - 7	207	3	0 - 8
Neuropsychiatric/Sensory Disease	102	4	0 - 14	97	0	0 - 7
Urologic Disease	163	2	0 - 9	122	6	0 - 49

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	430
Occupancy Rate (%):	82
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	210
Percent of Physicians Who Are Board Certified Specialists:	84
Interns and Residents:	29
Registered Nurses:	480
Licensed Practical Nurses:	100

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

NORTH CAROLINA BAPTIST HOSP-

300 S HAWTHORNE RD
WINSTON-SALEM, NC 27103

Medicare Hospital Provider Number: 340047

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	4,130	13	11 - 15	4,227	12	10 - 14
Cancer	269	38	33 - 51	258	33	31 - 49
Cerebrovascular Accidents	118	26	18 - 35	114	25	20 - 38
Gastrointestinal Catastrophes	36	25	16 - 50	53	30	17 - 48
Infectious Disease	50	44	26 - 57	52	42	21 - 52
Metabolic/Electrolyte Disorders	37	24	20 - 52	41	24	11 - 43
Pulmonary Disease	97	31	17 - 38	119	40	15 - 35
Renal Failure	36	31	12 - 61	36	25	10 - 60
Severe Acute Heart Disease	173	31	28 - 45	160	38	29 - 47
Severe Chronic Heart Disease	122	27	16 - 33	100	18	15 - 32
Severe Trauma	25	32	11 - 52	26	38	12 - 54
Gastrointestinal Disease	147	5	1 - 11	176	3	2 - 8
Gynecologic Disease	15	0	0 - 99	23	4	0 -100
Low-Risk Heart Disease	705	4	3 - 6	725	5	3 - 7
Musculoskeletal/Skin Conditions	339	3	1 - 6	291	2	1 - 6
Neuropsychiatric/Sensory Disease	358	1	1 - 5	364	2	1 - 6
Urologic Disease	135	1	0 - 8	223	1	1 - 6

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	620
Occupancy Rate (%):	84
Ownership/Control:	Private, Non-profit

STAFFING

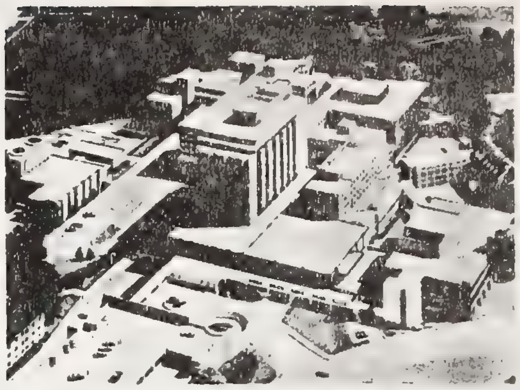
Total Number of Physicians:	224
Percent of Physicians Who Are Board Certified Specialists:	93
Interns and Residents:	370
Registered Nurses:	779
Licensed Practical Nurses:	182

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	Yes
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	Yes
Hospice Care:	No

a medical center ministering with skill and understanding

NORTH CAROLINA
BAPTIST HOSPITALS, Inc.



300 SOUTH HAWTHORNE ROAD, WINSTON-SALEM, NORTH CAROLINA 27103

Medicare Provider #340047

October 20, 1988

William L. Roper, M.D.
Administrator
Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building 2-D-2
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Dr. Roper:

The Medicare Hospital Mortality Information and Hospital Characteristics have been reviewed by our administration and Medical Staff.

The 1986 Hospital Characteristics information published by HCFA is incorrect beginning with bed size through the data on staffing ratios. We cannot comment on the validity of the 1987 Hospital characteristic data that HCFA will publish without having the opportunity to review it.

Sincerely,

Timothy C. Pennell, M.D.
Chief of Professional Services

Len B. Preslar, Jr.
President

NORTH CAROLINA MEMORIAL HOSP-

MANNING DR
CHAPEL HILL, NC 27514

Medicare Hospital Provider Number: 340061

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,661	12	10 - 14	2,768	11	10 - 14
Cancer	146	28	29 - 49	151	28	28 - 48
Cerebrovascular Accidents	89	30	17 - 37	69	35	12 - 36
Gastrointestinal Catastrophes	42	31	16 - 49	42	29	19 - 51
Infectious Disease	36	28	17 - 50	35	34	17 - 52
Metabolic/Electrolyte Disorders	58	26	15 - 43	51	25	15 - 44
Pulmonary Disease	91	35	16 - 38	113	18	16 - 34
Renal Failure	23	26	4 - 59	25	28	7 - 61
Severe Acute Heart Disease	112	33	27 - 47	115	35	27 - 46
Severe Chronic Heart Disease	91	18	15 - 32	88	19	16 - 34
Severe Trauma	4	25	2 - 81	8	38	7 - 70
Gastrointestinal Disease	119	8	0 - 17	126	2	1 - 8
Gynecologic Disease	24	0	0 -100	20	0	0 -100
Low-Risk Heart Disease	312	3	2 - 7	356	5	2 - 7
Musculoskeletal/Skin Conditions	195	3	1 - 7	232	1	1 - 5
Neuropsychiatric/Sensory Disease	129	4	0 - 13	112	3	0 - 11
Urologic Disease	90	2	0 - 17	75	3	0 - 37

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	575
Occupancy Rate (%):	80
Ownership/Control:	State Government

STAFFING

Total Number of Physicians:	645
Percent of Physicians Who Are Board Certified Specialists:	69
Interns and Residents:	0
Registered Nurses:	746
Licensed Practical Nurses:	124

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	Yes
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	Yes
Hospice Care:	No

Utilization Review Department
The North Carolina Memorial Hospital
Medical School Wing E
University of North Carolina
Chapel Hill, North Carolina 27514

September 26, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2 - D - 2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Medicare Provider #: 340061

Dear Mrs. Kappert:

I have received and reviewed the Department of Health and Human Services mortality information for Medicare patients treated in The North Carolina Memorial Hospital during 1987.

Under the **HOSPITAL CHARACTERISTICS**, the number of beds is incorrectly listed as 324. This hospital was licensed for a total of 665 beds in 1986. The figure for 1987 is the same as 1986. Please correct this report to reflect 665 beds when you publish the Medicare Mortality data.

Thank you for your prompt attention.

Sincerely,

Mary Anne Ragland

Mary Anne Ragland, RN
Director, Utilization Review

cc: Ms. Mary Lutz
Assistant to the Executive Director
NCMH

John A. Messenheimer, MD
Chairman, Utilization Review Committee
NCMH

NORTHERN HOSP- OF SURRY CO

830 ROCKFORD ST
MOUNT AIRY, NC 27030

Medicare Hospital Provider Number: 340003

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,204	11	10 - 15	1,198	12	10 - 15
Cancer	28	71	36 - 71	23	57	28 - 68
Cerebrovascular Accidents	45	27	15 - 42	48	40	19 - 47
Gastrointestinal Catastrophes	13	46	14 - 66	7	57	10 - 74
Infectious Disease	15	33	20 - 67	18	28	17 - 60
Metabolic/Electrolyte Disorders	18	33	11 - 56	21	24	7 - 48
Pulmonary Disease	78	24	18 - 40	81	32	19 - 42
Renal Failure	3	100	14 - 89	1	0	3 - 99
Severe Acute Heart Disease	50	26	25 - 51	53	40	25 - 52
Severe Chronic Heart Disease	81	20	14 - 33	67	33	14 - 37
Severe Trauma	1	0	0 - 97	2	0	4 - 89
Gastrointestinal Disease	101	3	1 - 10	104	2	1 - 9
Gynecologic Disease	24	0	0 - 99	14	0	0 -100
Low-Risk Heart Disease	172	4	2 - 9	170	1	2 - 7
Musculoskeletal/Skin Conditions	89	2	1 - 11	87	0	1 - 7
Neuropsychiatric/Sensory Disease	92	0	1 - 7	69	1	0 - 13
Urologic Disease	42	0	0 - 15	47	2	0 - 25

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	108
Occupancy Rate (%):	64
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	33
Percent of Physicians Who Are Board Certified Specialists:	76
Interns and Residents:	0
Registered Nurses:	89
Licensed Practical Nurses:	14

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Northern Hospital
of Surry County

We've Started A New Tradition In Hometown Care.

P.O. Box 1101 Mount Airy, North Carolina 27030 919 789-9541

John K. Lockhart, FACHA
Administrator

October 12, 1988

To: Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

From: John K. Lockhart, FACHE
Administrator

Subject: Comments on your information dated 9/15/88

CHARACTERISTICS:

- Percent of our active/associate physicians who are board-certified = 75-80%

- We have 80 M/S; 13 Psych; and 10 ICU/CCU beds.

MORTALITY DATA:

- No comments on the mortality data except that your methodology is flawed and misleading to the public. To list all deaths occurring within 30 days of admission is obviously not an indicator of hospital quality, since some of the patients died at home after hospital discharge. Our average length of stay for Medicare patients is 7.1 days, indicating that many patients are discharged from the Hospital in less than 30 days.

JKL:dr

ONSLOW MEMORIAL HOSP

317 WESTERN BOULEVARD
JACKSONVILLE , NC 28540

Medicare Hospital Provider Number: 340042

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	774	14	11 - 17	787	13	9 - 15
Cancer	25	72	24 - 61	19	68	26 - 68
Cerebrovascular Accidents	45	24	17 - 43	40	22	14 - 41
Gastrointestinal Catastrophes	6	17	5 - 69	3	67	7 - 88
Infectious Disease	18	28	16 - 58	13	62	17 - 67
Metabolic/Electrolyte Disorders	15	33	6 - 56	12	25	9 - 60
Pulmonary Disease	71	24	16 - 39	43	23	12 - 40
Renal Failure	3	67	11 - 93	5	80	12 - 83
Severe Acute Heart Disease	34	44	21 - 54	39	28	22 - 52
Severe Chronic Heart Disease	40	17	10 - 35	40	30	7 - 37
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	39	5	0 - 36	53	0	0 - 12
Gynecologic Disease	5	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	87	0	1 - 6	116	2	1 - 8
Musculoskeletal/Skin Conditions	60	5	0 - 27	65	2	0 - 14
Neuropsychiatric/Sensory Disease	15	0	0 - 67	18	0	0 - 96
Urologic Disease	18	6	1 - 44	28	0	0 - 41

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	118
Occupancy Rate (%):	81
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	90
Percent of Physicians Who Are Board Certified Specialists:	66
Interns and Residents:	0
Registered Nurses:	120
Licensed Practical Nurses:	62

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

OUR COMMUNITY HOSP

708 HOUSE AVENUE
SCOTLAND NECK, NC 27874

Medicare Hospital Provider Number: 340122

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	36	17	10 - 35	62	19	10 - 31
Cancer	2	50	3 - 92	1	100	1 - 97
Cerebrovascular Accidents	3	0	1 - 82	9	44	8 - 67
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	3	0	4 - 79	4	25	9 - 83
Metabolic/Electrolyte Disorders	1	100	0 - 99	4	25	5 - 80
Pulmonary Disease	7	29	5 - 69	7	29	2 - 71
Renal Failure	1	0	3 - 99	0	-	-
Severe Acute Heart Disease	0	-	-	3	33	6 - 87
Severe Chronic Heart Disease	3	0	5 - 79	3	0	1 - 82
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	1	0	0 -100	3	0	0 -100
Gynecologic Disease	0	-	-	2	0	0 -100
Low-Risk Heart Disease	4	25	0 - 96	2	0	0 -100
Musculoskeletal/Skin Conditions	3	0	0 -100	3	0	0 -100
Neuropsychiatric/Sensory Disease	1	0	0 -100	2	0	0 -100
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	20
Occupancy Rate (%):	35
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	4
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	5
Licensed Practical Nurses:	1

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

PARK RIDGE HOSPITAL

NAPLES RD BOX 1569
FLETCHER, NC 28732

Medicare Hospital Provider Number: 340023

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	569	14	11 - 18	560	11	9 - 15
Cancer	17	41	26 - 71	8	25	10 - 68
Cerebrovascular Accidents	16	44	13 - 59	16	19	12 - 52
Gastrointestinal Catastrophes	6	50	8 - 76	6	50	10 - 78
Infectious Disease	10	30	13 - 67	9	22	11 - 66
Metabolic/Electrolyte Disorders	14	21	4 - 53	13	23	4 - 55
Pulmonary Disease	60	22	19 - 42	53	23	17 - 42
Renal Failure	3	67	5 - 88	5	80	17 - 89
Severe Acute Heart Disease	35	31	26 - 57	16	56	18 - 64
Severe Chronic Heart Disease	30	30	11 - 45	27	30	11 - 46
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	46	0	0 - 14	54	4	0 - 22
Gynecologic Disease	14	0	0 -100	10	0	0 -100
Low-Risk Heart Disease	70	4	1 - 15	82	4	1 - 13
Musculoskeletal/Skin Conditions	32	0	0 - 70	37	3	0 - 65
Neuropsychiatric/Sensory Disease	11	0	0 - 99	13	8	0 -100
Urologic Disease	26	4	0 - 88	27	4	0 - 91

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 103
Occupancy Rate (%): 49
Ownership/Control: Church

STAFFING

Total Number of Physicians: 33
Percent of Physicians Who Are Board Certified Specialists: 76
Interns and Residents: 0
Registered Nurses: 72
Licensed Practical Nurses: 13

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

PENDER MEMORIAL HOSP-

507 FREEMONT ST
BURGAW, NC 28425

Medicare Hospital Provider Number: 340093

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	458	12	8 - 15	430	12	10 - 17
Cancer	6	50	13 - 80	7	57	13 - 76
Cerebrovascular Accidents	21	29	10 - 49	23	26	11 - 47
Gastrointestinal Catastrophes	4	25	10 - 84	3	33	4 - 86
Infectious Disease	3	0	5 - 79	2	0	2 - 88
Metabolic/Electrolyte Disorders	5	20	2 - 75	13	23	14 - 61
Pulmonary Disease	48	27	14 - 41	43	21	14 - 41
Renal Failure	1	0	2 - 97	2	50	5 - 94
Severe Acute Heart Disease	15	40	17 - 64	14	57	18 - 66
Severe Chronic Heart Disease	30	10	10 - 35	28	4	11 - 31
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	46	2	0 - 23	33	3	0 - 44
Gynecologic Disease	3	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	71	0	1 - 8	66	3	1 - 14
Musculoskeletal/Skin Conditions	21	10	0 - 73	21	5	0 - 93
Neuropsychiatric/Sensory Disease	10	20	0 -100	11	0	0 - 49
Urologic Disease	11	0	0 -100	12	0	0 - 81

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	66
Occupancy Rate (%):	77
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	10
Percent of Physicians Who Are Board Certified Specialists:	70
Interns and Residents:	0
Registered Nurses:	33
Licensed Practical Nurses:	12

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

PERSON CO MEMORIAL HOSP

615 RIDGE RD
ROXBORO, NC 27573

Medicare Hospital Provider Number: 340159

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	299	17	12 - 21	330	16	10 - 19
Cancer	10	70	19 - 72	6	50	13 - 80
Cerebrovascular Accidents	23	22	12 - 47	9	11	10 - 58
Gastrointestinal Catastrophes	6	33	13 - 79	4	25	5 - 80
Infectious Disease	3	67	10 - 90	5	20	3 - 75
Metabolic/Electrolyte Disorders	9	33	3 - 66	18	33	11 - 56
Pulmonary Disease	45	20	14 - 40	29	48	14 - 50
Renal Failure	1	100	2 - 97	0	-	-
Severe Acute Heart Disease	14	14	17 - 57	25	40	21 - 59
Severe Chronic Heart Disease	23	35	10 - 49	24	33	7 - 46
Severe Trauma	1	0	1 - 97	0	-	-
Gastrointestinal Disease	21	0	0 - 48	25	4	0 - 77
Gynecologic Disease	5	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	42	2	1 - 18	68	1	1 - 11
Musculoskeletal/Skin Conditions	7	0	0 -100	12	0	0 -100
Neuropsychiatric/Sensory Disease	6	0	0 -100	3	0	0 -100
Urologic Disease	5	0	0 -100	3	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	77
Occupancy Rate (%):	55
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

PITT CO MEMORIAL HOSP

200 STANTONSBURG RD BOX 6028
GREENVILLE, NC 27834

Medicare Hospital Provider Number: 340040

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,473	14	11 - 15	3,052	14	10 - 15
Cancer	173	42	33 - 53	125	34	28 - 50
Cerebrovascular Accidents	176	32	17 - 33	179	28	18 - 33
Gastrointestinal Catastrophes	36	25	19 - 52	33	33	16 - 52
Infectious Disease	40	45	19 - 53	46	46	24 - 56
Metabolic/Electrolyte Disorders	54	24	14 - 43	56	29	14 - 43
Pulmonary Disease	156	26	16 - 33	151	28	18 - 35
Renal Failure	36	22	13 - 60	36	22	8 - 58
Severe Acute Heart Disease	170	35	27 - 44	129	33	27 - 46
Severe Chronic Heart Disease	95	31	12 - 32	122	29	13 - 31
Severe Trauma	9	33	8 - 67	14	43	8 - 61
Gastrointestinal Disease	210	5	1 - 9	172	6	1 - 11
Gynecologic Disease	28	0	0 -100	32	0	0 -100
Low-Risk Heart Disease	468	4	2 - 6	405	5	2 - 7
Musculoskeletal/Skin Conditions	276	4	1 - 7	256	3	0 - 7
Neuropsychiatric/Sensory Disease	104	5	0 - 18	85	6	0 - 17
Urologic Disease	99	2	0 - 11	80	5	0 - 22

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	560
Occupancy Rate (%):	83
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	266
Percent of Physicians Who Are Board Certified Specialists:	80
Interns and Residents:	135
Registered Nurses:	847
Licensed Practical Nurses:	56

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	Yes
Hospice Care:	No

PRESBYTERIAN HOSP

200 HAWTHORNE LANE BOX 33549
CHARLOTTE, NC 28233

Medicare Hospital Provider Number: 340053

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	4,909	12	9 - 13	4,476	12	10 - 14
Cancer	237	37	28 - 46	238	42	28 - 47
Cerebrovascular Accidents	210	25	18 - 32	208	23	20 - 34
Gastrointestinal Catastrophes	61	33	21 - 51	55	24	17 - 46
Infectious Disease	33	36	19 - 54	45	44	21 - 53
Metabolic/Electrolyte Disorders	39	38	15 - 49	42	17	11 - 40
Pulmonary Disease	214	25	16 - 32	194	26	16 - 32
Renal Failure	22	45	14 - 68	14	64	18 - 77
Severe Acute Heart Disease	223	29	29 - 44	225	33	30 - 45
Severe Chronic Heart Disease	233	27	15 - 28	188	23	15 - 30
Severe Trauma	6	0	6 - 60	15	20	12 - 58
Gastrointestinal Disease	414	2	1 - 5	352	2	1 - 6
Gynecologic Disease	75	0	0 -100	85	0	0 - 56
Low-Risk Heart Disease	689	3	2 - 5	569	4	2 - 5
Musculoskeletal/Skin Conditions	289	3	1 - 7	241	0	1 - 4
Neuropsychiatric/Sensory Disease	159	5	0 - 13	204	2	1 - 7
Urologic Disease	233	0	0 - 5	215	2	0 - 9

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	555
Occupancy Rate (%):	85
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	601
Percent of Physicians Who Are Board Certified Specialists:	82
Interns and Residents:	0
Registered Nurses:	809
Licensed Practical Nurses:	43

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

200 Hawthorne Lane
Post Office Box 33549
Charlotte, NC 28233-3549
704/ 371-4000

Presbyterian Hospital

Octobr 21, 1988

Ms Sandra Kappert
Health Care Financing Administration
6325 Security Boulevard
Baltimore, Maryland 21207

Re: 1987 Mortality Data
Presbyterian Hospital
Medical Record Number 340053

Dear Ms Kappert:

Presbyterian Hospital appreciates the opportunity to review the 1987 mortality data on Medicare beneficiaries prior to the public disclosure. We anticipate our review of your data will provide helpful quality assurance information.

This hospital has on-going programs to review death records. Cases are considered individually and in aggregate. No disturbing trends have been identified in the past. The HCFA data provides additional opportunities for us to insure that medical care and discharge plans are appropriate.

Presbyterian Hospital is again gratified to learn that our mortality rates are within the predicted ranges for the diagnostic categories. We have begun executing our plans to verify HCFA data. Specifically, we will verify all out-of-hospital deaths within 30 days of discharge, review cases where death occurred within two days of discharge, and conduct reviews in categories above mid-range. Causes of death will be compared with principle diagnoses in records reviewed.

A data discrepancy has been identified in one case. Our hospital characteristics have also been corrected. Please find these changes on the attached page.

Thank you for the opportunity to review your HCFA report prior to the December release. We hope to continue to provide what we feel is quality patient care.

Sincerely,

Paul F. Betzold

Paul F. Betzold, FACHE
Executive Vice President

PFB/cfa

Enclosure

A Presbyterian Health Services Corporation affiliate

PRESBYTHERIAN SPECIALTY HOSP

1600 E 3 ST
CHARLOTTE, NC 28204

Medicare Hospital Provider Number: 340009

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	112	2	1 - 9	114	0	1 - 7
Cancer	2	0	3 - 88	2	0	2 - 88
Cerebrovascular Accidents	0	-	-	1	0	0 - 98
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	0	-	-	0	-	-
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	0	-	-
Severe Chronic Heart Disease	0	-	-	0	-	-
Severe Trauma	0	-	-	1	0	0 - 98
Gastrointestinal Disease	4	0	0 -100	4	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	0	-	-	1	0	0 -100
Musculoskeletal/Skin Conditions	1	0	0 -100	2	0	0 -100
Neuropsychiatric/Sensory Disease	75	1	0 - 13	69	0	0 - 13
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1988

Total Beds (#): 68
Ownership/Control: Church

STAFFING

Interns and Residents: 0
Registered Nurses: 25
Licensed Practical Nurses: 0

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: Yes
Hospice Care: No

PUNGO DISTRICT HOSP

210 FRONT ST
BELHAVEN, NC 27810

Medicare Hospital Provider Number: 340089

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	290	15	10 - 19	162	19	10 - 22
Cancer	5	60	11 - 82	4	50	10 - 86
Cerebrovascular Accidents	17	35	11 - 56	7	29	6 - 69
Gastrointestinal Catastrophes	2	50	2 - 92	1	0	1 - 97
Infectious Disease	8	25	13 - 71	4	25	9 - 83
Metabolic/Electrolyte Disorders	10	10	6 - 54	1	0	0 - 97
Pulmonary Disease	19	26	10 - 51	17	6	13 - 43
Renal Failure	2	50	0 - 96	1	0	3 - 99
Severe Acute Heart Disease	14	57	15 - 64	13	54	12 - 63
Severe Chronic Heart Disease	20	20	10 - 47	21	24	10 - 48
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	26	4	0 - 40	12	0	0 - 95
Gynecologic Disease	4	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	28	7	0 - 66	14	21	0 - 96
Musculoskeletal/Skin Conditions	29	3	0 - 59	10	20	0 - 97
Neuropsychiatric/Sensory Disease	14	0	0 - 94	8	13	0 -100
Urologic Disease	4	0	0 - 99	4	25	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	41
Occupancy Rate (%):	54
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	3
Percent of Physicians Who Are Board Certified Specialists:	33
Interns and Residents:	0
Registered Nurses:	11
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

RANDOLPH HOSP

373 N FAYETTEVILLE ST
ASHEBORO, NC 27203

Medicare Hospital Provider Number: 340123

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,099	11	9 - 14	1,063	11	9 - 14
Cancer	16	44	19 - 66	17	76	24 - 66
Cerebrovascular Accidents	54	19	15 - 37	39	23	15 - 43
Gastrointestinal Catastrophes	11	27	9 - 62	10	30	10 - 66
Infectious Disease	10	30	12 - 67	6	33	9 - 75
Metabolic/Electrolyte Disorders	11	36	4 - 62	10	50	5 - 65
Pulmonary Disease	56	20	14 - 38	57	21	12 - 36
Renal Failure	3	33	3 - 87	3	67	11 - 94
Severe Acute Heart Disease	58	36	28 - 54	67	22	28 - 50
Severe Chronic Heart Disease	54	22	11 - 34	47	23	12 - 38
Severe Trauma	1	100	0 - 99	1	0	1 - 97
Gastrointestinal Disease	72	3	1 - 13	74	3	1 - 12
Gynecologic Disease	19	0	0 -100	39	0	0 - 98
Low-Risk Heart Disease	181	3	1 - 7	164	4	1 - 9
Musculoskeletal/Skin Conditions	70	3	0 - 16	81	2	0 - 14
Neuropsychiatric/Sensory Disease	17	0	0 - 93	22	0	0 - 54
Urologic Disease	95	4	0 - 21	86	6	0 - 26

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	145
Occupancy Rate (%):	45
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	50
Percent of Physicians Who Are Board Certified Specialists:	74
Interns and Residents:	0
Registered Nurses:	73
Licensed Practical Nurses:	58

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

REX HOSP

4420 LAKE BOONE TRAIL
RALEIGH, NC 27607

Medicare Hospital Provider Number: 340114

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,288	12	11 - 15	3,035	11	10 - 15
Cancer	216	46	34 - 53	187	45	32 - 52
Cerebrovascular Accidents	133	23	19 - 35	108	14	18 - 34
Gastrointestinal Catastrophes	29	21	19 - 53	31	39	19 - 56
Infectious Disease	39	28	22 - 54	35	34	19 - 54
Metabolic/Electrolyte Disorders	24	25	12 - 50	34	3	14 - 37
Pulmonary Disease	155	28	20 - 37	153	27	16 - 34
Renal Failure	10	20	15 - 74	7	57	12 - 81
Severe Acute Heart Disease	128	36	28 - 48	133	29	28 - 46
Severe Chronic Heart Disease	138	25	15 - 31	135	20	15 - 31
Severe Trauma	6	17	5 - 69	6	0	7 - 61
Gastrointestinal Disease	358	3	1 - 6	272	3	1 - 7
Gynecologic Disease	44	2	0 -100	37	0	0 - 95
Low-Risk Heart Disease	342	4	2 - 7	330	3	2 - 6
Musculoskeletal/Skin Conditions	311	3	1 - 6	248	1	1 - 5
Neuropsychiatric/Sensory Disease	95	1	1 - 9	97	0	1 - 7
Urologic Disease	137	1	0 - 11	104	3	0 - 14

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	394
Occupancy Rate (%):	77
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	370
Percent of Physicians Who Are Board Certified Specialists:	81
Interns and Residents:	0
Registered Nurses:	387
Licensed Practical Nurses:	12

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

REX HOSPITAL

October 20, 1988

Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2-D-2
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Sirs:

Again this year, as with the release of the 1986 statistics, Rex Hospital has utilized the 1987 mortality data provided by HCFA to support ongoing quality management efforts. Certain patient outcomes (including death) are routinely monitored and reviewed by physicians in the appropriate clinical departments. Determinations are made concerning quality and appropriateness of care received by the patient and should a variance be noted, appropriate action is to be taken immediately.

Although Rex was well within predicted mortality ranges for 1987, certain facts, which may have somewhat inflated the percentages, should be noted. We have no record of 50 (07.2%) of the 687 reported deaths, although discharge dates are correct. These percentages have very little impact on the overall picture, so we will not ask that changes be made.

The "Hospital Characteristics" section has been corrected by us; however, we understand that what is to be published is not the same as the pre-release information we received. For that reason, we are unsure what corrections we are to submit.

Sincerely,

Kenneth F. Wiblitzhouser
Vice President/Human Resources

KFW/bch

RICHMOND MEMORIAL HOSP-

1000 LONG DR BOX 1928
ROCKINGHAM, NC 28379

Medicare Hospital Provider Number: 340035

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	569	13	11 - 17	547	16	11 - 18
Cancer	8	63	12 - 73	17	47	24 - 70
Cerebrovascular Accidents	28	25	13 - 46	25	44	13 - 51
Gastrointestinal Catastrophes	2	50	1 - 92	3	67	4 - 86
Infectious Disease	9	33	13 - 70	11	18	13 - 62
Metabolic/Electrolyte Disorders	6	0	11 - 62	4	0	3 - 71
Pulmonary Disease	75	21	15 - 36	56	20	13 - 37
Renal Failure	5	20	10 - 81	2	100	7 - 92
Severe Acute Heart Disease	38	26	27 - 56	41	49	24 - 55
Severe Chronic Heart Disease	44	14	11 - 34	43	16	13 - 37
Severe Trauma	0	-	-	1	0	1 - 97
Gastrointestinal Disease	47	4	0 - 26	46	9	1 - 28
Gynecologic Disease	1	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	84	4	1 - 13	66	6	1 - 19
Musculoskeletal/Skin Conditions	31	0	0 - 21	23	9	0 - 98
Neuropsychiatric/Sensory Disease	4	0	0 -100	3	0	0 -100
Urologic Disease	37	3	0 - 41	35	3	0 - 61

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	88
Occupancy Rate (%):	60
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	22
Percent of Physicians Who Are Board Certified Specialists:	55
Interns and Residents:	0
Registered Nurses:	96
Licensed Practical Nurses:	19

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ROANOKE CHOWAN HOSP

500 S ACADEMY ST
AHOSKIE , NC 27910

Medicare Hospital Provider Number: 340099

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	929	16	11 - 17	912	14	11 - 17
Cancer	23	57	27 - 68	18	44	24 - 69
Cerebrovascular Accidents	44	23	17 - 43	54	30	15 - 40
Gastrointestinal Catastrophes	6	50	5 - 75	7	29	10 - 73
Infectious Disease	13	31	11 - 61	27	30	17 - 54
Metabolic/Electrolyte Disorders	11	27	8 - 61	14	43	3 - 58
Pulmonary Disease	79	27	15 - 37	101	21	14 - 34
Renal Failure	8	13	14 - 73	10	50	9 - 74
Severe Acute Heart Disease	49	35	28 - 56	47	34	26 - 54
Severe Chronic Heart Disease	76	25	13 - 34	39	15	11 - 36
Severe Trauma	2	0	6 - 90	1	0	0 - 99
Gastrointestinal Disease	58	3	1 - 17	45	7	0 - 31
Gynecologic Disease	7	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	115	7	1 - 14	123	2	1 - 8
Musculoskeletal/Skin Conditions	49	2	0 - 28	40	7	0 - 35
Neuropsychiatric/Sensory Disease	29	7	0 - 88	27	7	0 - 88
Urologic Disease	27	7	0 - 68	31	6	0 - 71

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	100
Occupancy Rate (%):	72
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	37
Percent of Physicians Who Are Board Certified Specialists:	78
Interns and Residents:	0
Registered Nurses:	95
Licensed Practical Nurses:	34

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ROBERSONVILLE COMMUNITY HOSP

N MAIN ST BOX 1210
ROBERSONVILLE, NC 27871

Medicare Hospital Provider Number: 340079

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	62	11	8 - 25	71	18	7 - 26
Cancer	0	-	-	3	100	20 - 93
Cerebrovascular Accidents	6	33	4 - 73	3	0	4 - 79
Gastrointestinal Catastrophes	1	0	2 - 97	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	2	50	0 - 99	0	-	-
Pulmonary Disease	4	0	4 - 70	9	44	5 - 66
Renal Failure	1	0	2 - 97	2	50	4 - 93
Severe Acute Heart Disease	9	22	14 - 68	4	50	5 - 82
Severe Chronic Heart Disease	4	50	1 - 84	3	0	0 - 90
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	1	0	0 -100	2	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	6	0	0 -100	7	14	0 -100
Musculoskeletal/Skin Conditions	7	0	0 -100	2	0	0 -100
Neuropsychiatric/Sensory Disease	3	0	0 -100	2	0	0 -100
Urologic Disease	5	0	0 -100	3	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	12
Occupancy Rate (%):	17
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ROWAN MEMORIAL HOSP

612 MOCKSVILLE AVE
SALISBURY, NC 28144

Medicare Hospital Provider Number: 340015

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,204	12	10 - 15	2,191	13	10 - 14
Cancer	47	32	21 - 50	53	53	28 - 58
Cerebrovascular Accidents	145	27	20 - 36	134	22	18 - 35
Gastrointestinal Catastrophes	30	33	14 - 51	10	50	11 - 68
Infectious Disease	37	51	20 - 55	39	33	18 - 51
Metabolic/Electrolyte Disorders	37	27	12 - 46	26	31	8 - 48
Pulmonary Disease	160	21	17 - 34	127	31	16 - 35
Renal Failure	7	14	19 - 82	16	50	17 - 74
Severe Acute Heart Disease	114	40	27 - 47	118	36	30 - 50
Severe Chronic Heart Disease	119	21	15 - 31	83	13	13 - 30
Severe Trauma	1	0	1 - 97	7	57	7 - 73
Gastrointestinal Disease	145	2	1 - 8	157	3	0 - 9
Gynecologic Disease	14	0	0 -100	22	0	0 -100
Low-Risk Heart Disease	276	2	2 - 6	269	3	2 - 7
Musculoskeletal/Skin Conditions	146	3	0 - 11	159	0	1 - 4
Neuropsychiatric/Sensory Disease	70	1	0 - 14	86	1	0 - 10
Urologic Disease	108	2	0 - 17	130	5	0 - 33

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 243
Occupancy Rate (%): 66
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 83
Percent of Physicians Who Are Board Certified Specialists: 73
Interns and Residents: 0
Registered Nurses: 183
Licensed Practical Nurses: 48

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: No

Medicare Provider Number
340015

ROWAN MEMORIAL HOSPITAL

October 18, 1988

Dear Sir:

This letter is in response following our review of the Medicare Hospital Mortality Information (1987) provided to us by the Health Care Finance Administration.

The hospital characteristics, revealing our hospital size and staffing, included in our information were incorrect. We are licensed for 304 beds not 157 beds as the report shows. We have 83 physicians on our active staff rather than 86 as shown on this report. Finally our number of registered nurses and licensed practical nurses per bed are 2.09 and .13 respectively. However, we understand from the American Hospital Association that this information will be corrected prior to publication.

Information regarding individual cases was verified. It was noted that the date of death in ten cases was incorrect but not significant enough to alter the statistics. Also in review of the information we identified one patient that expired in the Veterans Administration Hospital, Salisbury, North Carolina rather than our facility.

Although we did not find any other discrepancies in the data, we would like to go on record as saying that this information should never be used by itself to measure the quality of patient care.

Respectfully,

M. Earl Bullard

M. Earl Bullard
Director

612 MOCKSVILLE AVENUE • SALISBURY, NORTH CAROLINA 28144 • (704) 638-1000

RUTHERFORD HOSP INC

308 S RIDGECREST AVE
RUTHERFORDTON, NC 28139

Medicare Hospital Provider Number: 340013

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,271	17	12 - 17	1,277	14	11 - 16
Cancer	40	52	28 - 61	42	36	27 - 58
Cerebrovascular Accidents	55	18	16 - 38	65	32	20 - 43
Gastrointestinal Catastrophes	13	31	13 - 63	11	36	10 - 65
Infectious Disease	7	29	12 - 74	11	36	8 - 63
Metabolic/Electrolyte Disorders	11	36	6 - 62	20	25	5 - 48
Pulmonary Disease	111	23	19 - 37	93	27	16 - 37
Renal Failure	4	75	10 - 86	3	67	5 - 88
Severe Acute Heart Disease	99	41	30 - 51	76	47	29 - 53
Severe Chronic Heart Disease	91	36	17 - 38	79	23	13 - 33
Severe Trauma	3	33	2 - 86	0	-	-
Gastrointestinal Disease	119	7	1 - 14	133	8	1 - 13
Gynecologic Disease	10	0	0 -100	9	0	0 -100
Low-Risk Heart Disease	200	4	2 - 8	206	3	1 - 7
Musculoskeletal/Skin Conditions	72	4	0 - 21	71	4	0 - 24
Neuropsychiatric/Sensory Disease	18	6	0 - 93	27	0	0 - 56
Urologic Disease	34	3	0 - 48	33	0	0 - 53

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	140
Occupancy Rate (%):	59
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	31
Percent of Physicians Who Are Board Certified Specialists:	90
Interns and Residents:	0
Registered Nurses:	106
Licensed Practical Nurses:	42

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SAMPSON CO MEMORIAL HOSP-

607 BEAMAN ST
CLINTON, NC 28328

Medicare Hospital Provider Number: 340024

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	914	13	12 - 18	788	14	11 - 18
Cancer	27	41	24 - 62	11	82	17 - 64
Cerebrovascular Accidents	55	18	17 - 39	46	22	16 - 42
Gastrointestinal Catastrophes	9	11	11 - 61	15	20	12 - 57
Infectious Disease	28	36	21 - 59	41	29	19 - 51
Metabolic/Electrolyte Disorders	8	50	10 - 72	9	22	5 - 62
Pulmonary Disease	49	22	13 - 39	44	32	13 - 42
Renal Failure	4	0	20 - 87	8	50	14 - 81
Severe Acute Heart Disease	73	34	27 - 51	59	37	25 - 51
Severe Chronic Heart Disease	81	19	15 - 34	50	26	12 - 37
Severe Trauma	3	0	2 - 81	0	-	-
Gastrointestinal Disease	61	2	1 - 13	45	0	0 - 13
Gynecologic Disease	9	0	0 -100	9	0	0 -100
Low-Risk Heart Disease	126	5	1 - 11	135	1	2 - 7
Musculoskeletal/Skin Conditions	50	2	0 - 18	28	0	0 - 25
Neuropsychiatric/Sensory Disease	20	5	0 - 71	11	0	0 - 99
Urologic Disease	39	3	0 - 30	39	0	1 - 15

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	146
Occupancy Rate (%):	50
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	28
Percent of Physicians Who Are Board Certified Specialists:	71
Interns and Residents:	0
Registered Nurses:	87
Licensed Practical Nurses:	19

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SCOTLAND MEMORIAL HOSP

500 LAUCHWOOD DR
LAURINBURG, NC 28352

Medicare Hospital Provider Number: 340008

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	685	15	9 - 16	679	13	9 - 15
Cancer	7	29	11 - 72	6	50	15 - 82
Cerebrovascular Accidents	54	20	15 - 38	43	21	13 - 39
Gastrointestinal Catastrophes	7	43	3 - 72	6	67	5 - 74
Infectious Disease	9	33	8 - 66	10	30	9 - 65
Metabolic/Electrolyte Disorders	14	21	8 - 55	15	33	12 - 60
Pulmonary Disease	41	29	14 - 43	51	22	11 - 36
Renal Failure	8	50	8 - 75	3	33	9 - 91
Severe Acute Heart Disease	34	38	19 - 52	43	44	23 - 53
Severe Chronic Heart Disease	46	37	10 - 39	43	19	11 - 36
Severe Trauma	0	-	-	1	100	2 - 97
Gastrointestinal Disease	68	7	0 - 23	60	0	0 - 11
Gynecologic Disease	7	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	76	4	0 - 17	70	1	1 - 11
Musculoskeletal/Skin Conditions	49	0	0 - 13	35	0	0 - 49
Neuropsychiatric/Sensory Disease	6	0	0 - 99	14	0	0 - 83
Urologic Disease	26	0	0 - 44	31	3	0 - 79

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	165
Occupancy Rate (%):	61
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	30
Percent of Physicians Who Are Board Certified Specialists:	77
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SEA LEVEL HOSP DIV DUKE UNIV MED CTR
HWY 70 E
SEA LEVEL, NC 28577

Medicare Hospital Provider Number: 340076

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	139	22	9 - 23	144	16	8 - 21
Cancer	2	100	8 - 92	4	25	13 - 86
Cerebrovascular Accidents	2	0	5 - 89	10	10	11 - 55
Gastrointestinal Catastrophes	1	0	0 - 99	1	100	2 - 98
Infectious Disease	2	0	4 - 88	1	0	0 - 98
Metabolic/Electrolyte Disorders	2	50	1 - 93	2	50	1 - 92
Pulmonary Disease	21	43	13 - 54	22	23	9 - 46
Renal Failure	1	100	3 - 99	0	-	-
Severe Acute Heart Disease	8	63	15 - 75	3	100	10 - 82
Severe Chronic Heart Disease	12	33	6 - 58	6	17	5 - 68
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	5	20	0 -100	14	0	0 - 73
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	20	5	0 - 83	19	5	0 - 85
Musculoskeletal/Skin Conditions	13	0	0 - 99	11	18	0 -100
Neuropsychiatric/Sensory Disease	6	0	0 -100	2	0	0 -100
Urologic Disease	2	0	0 -100	5	0	0 - 94

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	76
Occupancy Rate (%):	68
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	4
Percent of Physicians Who Are Board Certified Specialists:	75
Interns and Residents:	0
Registered Nurses:	4
Licensed Practical Nurses:	5

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SLOOP MEMORIAL HOSP

1 CROSSNORE DR BOX 220
CROSSNORE, NC 28616

Medicare Hospital Provider Number: 340080

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	308	13	10 - 18	300	9	10 - 17
Cancer	9	56	27 - 85	7	29	21 - 82
Cerebrovascular Accidents	8	13	13 - 64	8	25	8 - 66
Gastrointestinal Catastrophes	0	-	-	2	0	2 - 88
Infectious Disease	4	75	7 - 81	5	20	10 - 78
Metabolic/Electrolyte Disorders	9	44	18 - 77	5	40	5 - 78
Pulmonary Disease	32	19	10 - 40	43	14	13 - 37
Renal Failure	1	100	3 -100	2	0	7 - 92
Severe Acute Heart Disease	14	36	16 - 64	9	44	14 - 72
Severe Chronic Heart Disease	20	30	9 - 49	18	17	9 - 47
Severe Trauma	1	0	0 - 98	1	100	1 - 97
Gastrointestinal Disease	35	6	0 - 29	26	0	0 - 24
Gynecologic Disease	1	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	30	0	0 - 23	40	0	0 - 15
Musculoskeletal/Skin Conditions	21	0	0 - 95	18	6	0 - 88
Neuropsychiatric/Sensory Disease	13	8	0 - 93	6	0	0 - 99
Urologic Disease	6	0	0 -100	12	0	0 - 77

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	38
Occupancy Rate (%):	50
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	13
Percent of Physicians Who Are Board Certified Specialists:	69
Interns and Residents:	0
Registered Nurses:	12
Licensed Practical Nurses:	9

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SOUTHEASTERN GENERAL HOSP-

300 W 27 ST
LUMBERTON, NC 28358

Medicare Hospital Provider Number: 340050

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,883	14	10 - 14	1,805	14	8 - 13
Cancer	49	59	26 - 56	53	57	28 - 58
Cerebrovascular Accidents	84	23	15 - 35	80	24	17 - 37
Gastrointestinal Catastrophes	12	33	10 - 63	12	42	8 - 62
Infectious Disease	35	34	19 - 53	14	43	11 - 62
Metabolic/Electrolyte Disorders	28	39	11 - 50	27	11	9 - 40
Pulmonary Disease	120	25	15 - 34	107	25	14 - 34
Renal Failure	14	43	12 - 71	11	36	10 - 73
Severe Acute Heart Disease	92	42	26 - 48	90	53	29 - 51
Severe Chronic Heart Disease	134	26	14 - 31	86	23	11 - 30
Severe Trauma	2	0	2 - 89	3	33	1 - 88
Gastrointestinal Disease	116	3	0 - 11	134	1	1 - 7
Gynecologic Disease	19	0	0 -100	10	0	0 -100
Low-Risk Heart Disease	230	4	1 - 7	254	4	1 - 7
Musculoskeletal/Skin Conditions	123	4	0 - 14	89	3	0 - 29
Neuropsychiatric/Sensory Disease	139	2	0 - 13	166	2	0 - 13
Urologic Disease	55	4	0 - 33	63	2	0 - 39

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	352
Occupancy Rate (%):	77
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	74
Percent of Physicians Who Are Board Certified Specialists:	72
Interns and Residents:	0
Registered Nurses:	212
Licensed Practical Nurses:	69

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SOUTHEASTERN
GENERAL HOSPITAL

COMMENTS ON 1988 HCFA MORTALITY DATA RELEASE

Southeastern General Hospital submitted comments in conjunction with the 1987 release of 1986 HCFA mortality data last year. With one exception, our comments on this year's release remain essentially similiar. The data were not error-free but relatively so. HCFA used additional factors in computing this year's report and applied these same factors to data for both years. This resulted in some minor alterations of profile when compared with those reported last year, but again, these were minor. The most significant change appeared to be in the redefinition of categories of disease.

Our highest mortality rate for both years was in the category of cancer which might be anticipated. As we indicated in our comments last year, we serve as a community hospital where our patients characteristically receive their terminal care for malignant disease. The HCFA data indicate 49 patients in this category with 29 deaths for a mortality rate of 59%. Actually, only 12 of the patients observed survived the thirteen month period of observation. Reviewing the principal diagnoses and primary procedures again indicates that these patients received only supportive terminal care as a community service, often inadequately compensated.

The one category which caused us concern last year was the category of severe acute heart disease. According to this year's data, we have improved 11 percentage points from 53% to 42% and are well within the predicted mortality range of 26% to 48%. During this past year, we have conducted extensive review of our management of severe acute heart disease, particularly acute myocardial infarction. We accept in our hospital that state-of-the-art management of this condition involves carefully managed stabilization of the patient's condition, thrombolytic therapy, and transfer to a tertiary center for cardiac catheterization. Those patients who are too severely ill or unstable to be transferred, or exceed age limitations continue to be managed in our intensive care unit. We could find no deficiencies in the quality of our care.

This year, HCFA provided us with some additional data identifying all patients over 64 treated in our hospital and discharged with a diagnosis of acute myocardial infarction. There were 115 such patients. Our overall mortality rate for these 115 patients was 27%. Considering that this population group ranges in age from

300 WEST 27TH STREET
P.O. BOX 1408
LUMBERTON, NORTH CAROLINA 28359
(919) 738-6444

65 to 92 with a median age of 74 and 31 patients 80 years of age and over, this is a much more acceptable mortality rate.

The basic study data provided by HCFA indicated only patients whose last admission was in this hospital. Sixty-eight of the 92 patients in the Severe Acute Heart Disease category could be identified as patients who had been hospitalized here with acute myocardial infarction. Of the 115 patients in the total AMI patient population in this hospital, 47 of these patients could then be assumed to have had subsequent admission at another hospital. This is consistent with our pattern of management including transfer to a tertiary site. On further analysis of the 68 patients remaining at Southeastern General Hospital, too ill and unstable to be transferred to a tertiary center, 37 survived and 31 died with a mortality rate of 46%. Of those 47 patients transferred to a tertiary center after receiving primary emergency care and stabilization in our hospital, 43 are surviving and 4 died for a mortality rate in this group of 8%.

If these 47 patients who initially presented at our hospital and who received their primary care here were added to the population who were not transferred but continued critical care here, we would have a total of 139 patients. This group would add only 4 deaths, giving us an overall mortality rate for Severe Acute Heart Disease of 31%, below the predicted median mortality rate. (26%-48%) This latter group of patients are excluded from our statistical population base, and become a part of the population base of the tertiary hospital by virtue of their transfer.

We feel that this analysis gives a more complete, accurate, and acceptable image of the management of severe acute heart disease in this hospital.

H. Strawcutter, M.D.
Vice President, Medical Affairs

HS:m

ST JOSEPHS HOSP

428 BILTMORE AVE
ASHEVILLE, NC 28801

Medicare Hospital Provider Number: 340105

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,729	10	8 - 12	3,738	9	8 - 12
Cancer	121	33	31 - 52	139	40	29 - 51
Cerebrovascular Accidents	124	25	19 - 36	103	30	18 - 37
Gastrointestinal Catastrophes	25	12	19 - 52	35	43	19 - 55
Infectious Disease	39	41	19 - 53	28	18	19 - 52
Metabolic/Electrolyte Disorders	36	33	12 - 47	20	25	8 - 50
Pulmonary Disease	163	29	17 - 34	189	21	15 - 31
Renal Failure	12	50	15 - 76	11	36	13 - 75
Severe Acute Heart Disease	119	34	29 - 49	113	29	28 - 47
Severe Chronic Heart Disease	99	17	15 - 32	137	21	14 - 30
Severe Trauma	3	33	3 - 86	7	14	4 - 65
Gastrointestinal Disease	327	3	1 - 6	315	2	1 - 5
Gynecologic Disease	47	2	0 - 99	49	0	0 -100
Low-Risk Heart Disease	213	2	2 - 6	266	2	1 - 6
Musculoskeletal/Skin Conditions	575	3	0 - 5	574	1	1 - 4
Neuropsychiatric/Sensory Disease	181	3	0 - 9	156	3	0 - 13
Urologic Disease	310	2	0 - 7	241	1	0 - 7

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	288
Occupancy Rate (%):	82
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	288
Percent of Physicians Who Are Board Certified Specialists:	47
Interns and Residents:	0
Registered Nurses:	281
Licensed Practical Nurses:	59

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

ST LUKES HOSP

220 HOSPITAL DR
COLUMBUS, NC 28722

Medicare Hospital Provider Number: 340018

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	452	10	8 - 14	462	11	9 - 15
Cancer	12	42	19 - 71	11	18	19 - 67
Cerebrovascular Accidents	16	13	13 - 49	29	41	14 - 50
Gastrointestinal Catastrophes	3	67	3 - 86	7	14	11 - 68
Infectious Disease	8	13	8 - 62	5	40	5 - 78
Metabolic/Electrolyte Disorders	4	0	3 - 72	14	7	5 - 45
Pulmonary Disease	16	25	9 - 53	37	22	8 - 38
Renal Failure	1	0	0 - 99	3	67	7 - 90
Severe Acute Heart Disease	16	44	16 - 62	16	31	20 - 65
Severe Chronic Heart Disease	31	19	12 - 42	20	5	8 - 34
Severe Trauma	1	100	1 - 97	0	-	-
Gastrointestinal Disease	44	2	0 - 32	43	2	0 - 25
Gynecologic Disease	1	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	41	2	0 - 21	36	3	1 - 21
Musculoskeletal/Skin Conditions	48	2	0 - 24	38	5	0 - 86
Neuropsychiatric/Sensory Disease	13	0	0 - 82	26	0	0 - 58
Urologic Disease	34	0	0 - 35	19	0	0 - 78

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	52
Occupancy Rate (%):	69
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	20
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	32
Licensed Practical Nurses:	19

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

STANLY MEMORIAL HOSP INC

301 YADKIN ST BOX 1489
ALBEMARLE, NC 28001

Medicare Hospital Provider Number: 340119

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	935	15	11 - 17	889	15	11 - 17
Cancer	27	67	28 - 65	19	32	20 - 62
Cerebrovascular Accidents	73	36	17 - 40	66	30	18 - 41
Gastrointestinal Catastrophes	11	27	8 - 62	7	0	9 - 56
Infectious Disease	3	33	3 - 86	8	25	7 - 66
Metabolic/Electrolyte Disorders	21	14	8 - 45	13	15	4 - 52
Pulmonary Disease	73	23	13 - 35	78	21	14 - 35
Renal Failure	10	50	13 - 76	8	75	10 - 75
Severe Acute Heart Disease	71	31	29 - 52	82	37	27 - 50
Severe Chronic Heart Disease	75	21	12 - 32	58	36	13 - 39
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	63	2	1 - 13	64	5	0 - 21
Gynecologic Disease	9	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	142	1	1 - 6	125	2	1 - 9
Musculoskeletal/Skin Conditions	59	5	0 - 39	51	0	0 - 12
Neuropsychiatric/Sensory Disease	37	5	0 - 73	22	9	0 - 51
Urologic Disease	32	0	0 - 38	34	0	0 - 50

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	124
Occupancy Rate (%):	43
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	33
Percent of Physicians Who Are Board Certified Specialists:	88
Interns and Residents:	0
Registered Nurses:	69
Licensed Practical Nurses:	24

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

STANLY MEMORIAL HOSPITAL, INC.

301 YADKIN STREET P. O. BOX 1489
ALBEMARLE, NORTH CAROLINA 28001
704/983-5111

October 20, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

RE: Medicare Hospital Mortality Data, Stanly Memorial Hospital, Inc.
Hospital ID: 340119

Dear Mrs. Kappert:

I am writing in regard to the 1987 Medicare Hospital Mortality Information as it relates to Stanly Memorial Hospital.

I note that for "all causes" our mortality rate is well within the predicted mortality range and that "cancer" is the only diagnostic category in which our mortality rate only slightly exceeds the predicted range. We feel that this is positively noteworthy in that it is quite common in our community for patients referred out for more extensive therapy to be referred back to our community hospital under the care of the local family physician when death is imminent. Also, in our local nursing homes patients for whom death seems imminent are referred to our hospital to insure that all reasonable measures are being taken, rather than being allowed to expire in the nursing home.

As you can see, situations such as these contribute significantly to the fact that our mortality rate would be artifically inflated.

Additionally, I would like to provide corrected information for the Hospital Characteristics section. Our correct bed count for 1987 should be 124 with 61.4 average patients per day, or an average occupancy rate of 50%. Our total number of physicians in 1987 were 33 with 29, or 88%, being board certified. Our registered nurse ratio to occupied beds in 1987 was 0.96, or 0.48 per available bed. Our ratio of licensed practical nurses to occupied beds in 1987 was 0.41, or 0.20 per available bed. Our hospital does provide a 10-bed Intensive/Coronary care unit and a voluntary independent Hospice program operates out of space provided by the hospital.

Thank you very much for the opportunity to comment on the 1987 Medicare Hospital Mortality Information and if further information should be needed, please do not hesitate to contact me.

Sincerely,

John Sullivan
President

JS/bb

STOKES REYNOLDS MEMORIAL HOSP

PO BOX 10
DANBURY, NC 27016

Medicare Hospital Provider Number: 340019

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	308	14	13 - 22	319	17	14 - 23
Cancer	4	75	13 - 87	3	33	6 - 87
Cerebrovascular Accidents	44	18	17 - 42	39	15	22 - 47
Gastrointestinal Catastrophes	2	100	2 - 89	0	-	-
Infectious Disease	0	-	-	3	0	14 - 86
Metabolic/Electrolyte Disorders	3	0	7 - 80	6	50	4 - 75
Pulmonary Disease	71	23	17 - 39	66	24	19 - 42
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	19	26	19 - 58	20	50	19 - 61
Severe Chronic Heart Disease	9	44	5 - 66	13	31	7 - 56
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	18	6	0 - 93	14	7	0 - 69
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	68	0	1 - 8	66	0	2 - 9
Musculoskeletal/Skin Conditions	15	0	0 - 87	13	8	0 - 97
Neuropsychiatric/Sensory Disease	5	0	0 -100	6	0	0 - 94
Urologic Disease	3	0	0 - 99	6	17	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	93
Occupancy Rate (%):	67
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	9
Percent of Physicians Who Are Board Certified Specialists:	78
Interns and Residents:	0
Registered Nurses:	23
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Stokes-Reynolds Memorial Hospital
DANBURY, NORTH CAROLINA 27016
TELEPHONE 919-593-2831

SANDRA D. PRIDDY
ADMINISTRATOR

September 21, 1988

Ms. Sandra Kappert
Health Standards and Quality Bureau, HCFA
2-B-2 Meadows East Building
6325 Security Blvd.
Baltimore, Maryland 21207

Dear Ms. Kappert:

Stokes-Reynolds Memorial Hospital has reviewed the selected mortality information for this hosptial and has found no errors.

Sincerely,

Sandra D Priddy
Sandra D. Priddy
Administrator

SDP:acb

SWAIN CO HOSP

965 PLATEAU ST
BRYSON CITY, NC 28713

Medicare Hospital Provider Number: 340031

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	370	11	9 - 16	351	13	9 - 17
Cancer	9	44	18 - 77	13	85	32 - 75
Cerebrovascular Accidents	17	18	10 - 48	16	19	10 - 50
Gastrointestinal Catastrophes	3	0	4 - 79	3	0	2 - 80
Infectious Disease	3	33	1 - 88	4	50	4 - 82
Metabolic/Electrolyte Disorders	13	31	7 - 58	5	0	4 - 64
Pulmonary Disease	22	18	13 - 47	10	30	5 - 61
Renal Failure	1	0	0 - 99	2	0	3 - 89
Severe Acute Heart Disease	18	22	21 - 60	13	31	21 - 69
Severe Chronic Heart Disease	19	37	7 - 50	31	35	11 - 45
Severe Trauma	2	50	0 - 95	0	-	-
Gastrointestinal Disease	45	0	0 - 18	47	0	0 - 15
Gynecologic Disease	4	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	58	2	1 - 13	43	2	0 - 23
Musculoskeletal/Skin Conditions	28	0	0 - 80	21	0	0 - 71
Neuropsychiatric/Sensory Disease	13	0	0 - 96	9	0	0 -100
Urologic Disease	4	0	0 -100	11	9	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	42
Occupancy Rate (%):	50
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	11
Percent of Physicians Who Are Board Certified Specialists:	27
Interns and Residents:	0
Registered Nurses:	15
Licensed Practical Nurses:	8

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SWAIN COUNTY HOSPITAL

James E. Douthit, Administrator
965 Plateau Street
Bryson City, North Carolina 28713
Telephone: (704) 488-2155
(704) 488-2884

September 19, 1988

Medicare Provider Number:
340031

Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2-D-2
6325 Security Boulevard
Baltimore, Maryland 21207

Attention: Sandra Kappert

Dear Sirs:

In reviewing the Medicare Hospital Mortality Information submitted to us under date of September 15, 1988, we have no comment.

Sincerely,

James E. Douthit
Administrator

JD/c

A Not-for-Profit Health Care Corporation, Accredited by J.C.A.H.

THE BRUNSWICK HOSP

HIGHWAY 17 SOUTH BOX 139
SUPPLY, NC 28462

Medicare Hospital Provider Number: 340158

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	241	16	8 - 18	246	16	7 - 17
Cancer	5	40	10 - 81	8	50	16 - 77
Cerebrovascular Accidents	15	20	11 - 53	11	45	9 - 63
Gastrointestinal Catastrophes	0	-	-	3	33	3 - 86
Infectious Disease	2	50	1 - 92	0	-	-
Metabolic/Electrolyte Disorders	1	100	1 - 97	0	-	-
Pulmonary Disease	29	34	10 - 46	17	41	6 - 53
Renal Failure	1	0	2 - 97	2	100	1 - 90
Severe Acute Heart Disease	12	42	14 - 66	14	57	21 - 69
Severe Chronic Heart Disease	10	60	4 - 63	9	11	3 - 55
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	23	9	0 - 76	29	0	0 - 31
Gynecologic Disease	2	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	40	2	1 - 20	47	4	0 - 25
Musculoskeletal/Skin Conditions	19	0	0 - 99	21	0	0 - 88
Neuropsychiatric/Sensory Disease	3	0	0 -100	1	0	0 -100
Urologic Disease	6	17	0 -100	4	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	60
Occupancy Rate (%):	23
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	13
Percent of Physicians Who Are Board Certified Specialists:	38
Interns and Residents:	0
Registered Nurses:	32
Licensed Practical Nurses:	10

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

THE
BRUNSWICK
HOSPITAL

October 19, 1988

Ms. Sandra Kappert
Health Standards and Quality Bureau, HCFA
2-D-2 Meadows East Building
Baltimore, Maryland 21207

Dear Ms. Kappert:

Thank you for the opportunity to review and comment on your statistics regarding the mortality information about Medicare patients at The Brunswick Hospital.

There is one key statistical discrepancy that HCFA has based its results upon that needs to be clarified. That statistic is the total number of cases HCFA utilized in its calculations. Since HCFA only used the last hospital admission of the year for all Medicare beneficiaries in 1987, HCFA failed to give us credit for all of the multiple admissions for each of these patients during 1987.

Statistically, HCFA states that The Brunswick Hospital had 241 cases during 1987 resulting in a 16% actual mortality rate for Medicare beneficiaries. While the 16% actual mortality rate still falls within the range of predicted mortality rates, we must further clarify HCFA's data.

Our records indicate The Brunswick Hospital had 419 Medicare beneficiary discharges during 1987 which results in an 9.1% actual mortality rate for Medicare beneficiaries.

Other areas of clarification are as follows:

1. HCFA data was based upon the principle diagnosis and not the cause of death.
2. The Brunswick Hospital offers Hospice care through the Lower Cape Fear Hospice, Inc., and a skilled nursing facility due to the absence of a nursing home offering skilled nursing care in Brunswick County.

U. S. Highway 17 South
Post Office Box 139
Supply, North Carolina 28462
Telephone (919) 754-8121

An Affiliate of
HEALTHTRUST
INC. The Hospital Company

3. 100% of deaths are reviewed through a Hospital Mortality Review Process and none of the deaths were found to be unexpected outcomes.

4. We agree with HCFA that this information on its own is not a complete measure of the quality of care at an individual hospital.

The Brunswick Hospital is very proud of its standard of care provided to the people of Brunswick County.

Sincerely,

J. A. Marshall

John A. Marshall
Administrator

JAM:pb

THE MCDOWELL HOSPITAL

100 RANKIN DRIVE
MARION, NC 28752

Medicare Hospital Provider Number: 340087

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	858	12	9 - 15	764	14	10 - 16
Cancer	14	79	21 - 65	22	77	31 - 68
Cerebrovascular Accidents	36	22	11 - 40	30	37	12 - 47
Gastrointestinal Catastrophes	7	57	14 - 78	2	0	2 - 89
Infectious Disease	13	38	14 - 64	9	22	7 - 63
Metabolic/Electrolyte Disorders	5	20	1 - 77	5	20	1 - 81
Pulmonary Disease	62	16	17 - 38	60	23	16 - 40
Renal Failure	7	14	7 - 71	3	33	11 - 93
Severe Acute Heart Disease	38	55	25 - 57	38	42	21 - 53
Severe Chronic Heart Disease	46	26	13 - 40	55	22	11 - 35
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	87	1	1 - 9	68	4	1 - 16
Gynecologic Disease	13	0	0 -100	18	0	0 -100
Low-Risk Heart Disease	112	2	1 - 8	100	1	1 - 8
Musculoskeletal/Skin Conditions	51	2	0 - 28	46	0	0 - 21
Neuropsychiatric/Sensory Disease	10	0	0 -100	13	0	0 - 99
Urologic Disease	48	6	0 - 83	30	0	0 - 71

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	65
Occupancy Rate (%):	77
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	19
Percent of Physicians Who Are Board Certified Specialists:	74
Interns and Residents:	0
Registered Nurses:	41
Licensed Practical Nurses:	27

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HCFA ID# 340087

The McDowell Hospital

100 Rankin Drive, Marion, North Carolina 28752
704-652-2125

Les A. Donahue
Administrator

The McDowell Hospital of Marion, North Carolina would like to respond to the Health Care Financing Administration's Medicare Hospital Mortality Information (1987) report as follows:

1. With the exception of the diagnostic category of cancer, all actual mortality rates for The McDowell Hospital are well within the ranges for predicted mortality as established by HCFA. Therefore, only the mortality rate for the diagnostic category of cancer will be addressed.

   The McDowell Hospital discharged 14 Medicare patients in 1987 whose principal diagnosis placed them in the HCFA diagnostic category of cancer. Of these 14, 11 died; 9 died at The McDowell Hospital and 2 died elsewhere. Eight of the 11 deaths had metastasis to either the brain, bone/bone marrow or the liver. The remaining three patients had inoperable cancers. It is believed by the Hospital that its actual mortality rate is above the maximum range as published by HCFA because:

   a. All patients that died had been diagnosed as having cancer at least several months prior to their death and, with the exception of one patient who died within four months of diagnosis, all patients had received radiation and/or chemotherapy at other large medical centers.

   b. All patients were in the terminal stages of their diseases.

   c. All lived within the immediate vicinity of the Hospital or within a 12 mile radius.

   d. The county in which The McDowell Hospital is located has no hospice program.

   e. It is assumed that those patients who expired wished to be near their family/home at their time of death.

2. One patient out of the total 101 Medicare deaths associated with The McDowell Hospital according to the HCFA calculation of mortality rate did not die on the date stated by HCFA.

3. The number of beds as stated by HCFA for The McDowell Hospital is stated as 53; the actual number of beds for the Hospital is 65.

Serving the People of McDowell County

THE MOSES H CONE MEMORIAL HOSP

1200 N ELM ST
GREENSBORO, NC 27401

Medicare Hospital Provider Number: 340091

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,638	11	10 - 14	3,259	11	9 - 13
Cancer	143	40	30 - 51	131	33	25 - 46
Cerebrovascular Accidents	161	16	20 - 33	133	22	19 - 35
Gastrointestinal Catastrophes	33	27	15 - 50	13	38	13 - 65
Infectious Disease	21	52	18 - 61	33	39	21 - 57
Metabolic/Electrolyte Disorders	31	26	9 - 44	34	24	12 - 45
Pulmonary Disease	123	23	15 - 34	108	26	14 - 34
Renal Failure	26	54	14 - 66	35	37	13 - 64
Severe Acute Heart Disease	198	26	28 - 44	161	32	27 - 44
Severe Chronic Heart Disease	176	26	15 - 30	147	26	14 - 30
Severe Trauma	17	18	13 - 55	6	0	15 - 67
Gastrointestinal Disease	204	3	1 - 7	199	3	1 - 7
Gynecologic Disease	39	3	0 - 90	33	0	0 -100
Low-Risk Heart Disease	653	3	2 - 6	599	2	2 - 5
Musculoskeletal/Skin Conditions	241	4	1 - 7	230	2	1 - 6
Neuropsychiatric/Sensory Disease	111	3	1 - 11	109	3	1 - 10
Urologic Disease	160	2	0 - 14	151	4	0 - 17

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	516
Occupancy Rate (%):	85
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	366
Percent of Physicians Who Are Board Certified Specialists:	74
Interns and Residents:	44
Registered Nurses:	594
Licensed Practical Nurses:	57

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	Yes

THE MOSES H. CONE MEMORIAL HOSPITAL
1200 NORTH ELM STREET, GREENSBORO, NORTH CAROLINA 27401-1020

EXECUTIVE OFFICES

October 20, 1988

William L. Roper, M.D., Administrator
Health Care Finance Administration
Health Standards and Quality Bureau
Meadows East Building, 2 - D - 2
6325 Security Boulevard
Baltimore, Maryland 21207

Re: Medicare 1987 Mortality Data Release
Provider #: 34-0091

Dear Dr. Roper:

Thank you for the opportunity to comment on the Medicare Mortality Data for 1987. We have verified the mortality information, which indicates that we are within or below predicted ranges for all categories, and believe the data to be correct. The information furnished to us on Hospital characteristics was incorrect, but since it is our understanding that the characteristics to be published will be corrected, we are withholding comment on this data.

Although we continue to have concerns about the limitations of the mortality data, as indicated in our response to last year's published information, we do appreciate HCFA's interest in quality, for quality is of the utmost concern to The Moses H. Cone Memorial Hospital. It is the expressed mission of our institution to develop and provide health care services distinguished by their excellence in measurable quality. Superior patient care is the cornerstone of our organization, and our commitment to this principle is demonstrated both by our efforts to develop and provide a continuum of services to our community, and through our daily involvement in monitoring and evaluating the provision of care to ensure excellence.

The Moses H. Cone Memorial Hospital is the tertiary care provider for our community, with over 2,400 employees and an active medical and dental staff of over 400 practitioners, representing all major specialties. Residency programs in Internal Medicine, Family Practice, and Pediatrics are affiliated with the University of North Carolina School of Medicine. The hospital offers progressive medical care and advanced technology in areas such as Cardiology, Oncology, Rehabilitation, Trauma, Neurosurgery, and Women's and Infants' services. Because of our expertise in these areas, The Moses H. Cone Memorial Hospital serves as the referral center for surrounding community hospitals.

Our quality assurance program employs a comprehensive process that involves every hospital department, as well as each clinical service of the Medical and Dental Staff. Each area has an on-going monitoring and evaluation system that reviews both critical and non-critical aspects of care. This process accomplishes two goals: 1) it helps to identify any deviations from our standards, which may then be analyzed, and acted upon, if necessary, and 2) it identifies opportunities to improve the quality of care being rendered.

Our Medical and Dental Staff applies a peer review methodology to review the appropriateness of care provided by members of the staff. Reviewing all mortalities is just one component of this function, in which thousands of cases are screened and evaluated for quality of care. The results of these reviews, as well as the hospital departmental quality assurance activities discussed previously, are summarized and reported to Medical and Dental Staff leadership, and the Hospital's Board of Trustees.

Since there are numerous variables to be considered in evaluating the quality of care within an institution, we would encourage individuals not to base an opinion of the quality of care provided at any hospital on the basis of the Medicare Mortality Data. While we are pleased that our mortality rates fall within or below the predicted ranges, we sincerely believe that the monitoring and evaluation programs that are in place in our institution offer a far more reliable indication and assurance to the public that the quality of care provided at The Moses H. Cone Memorial Hospital is our most important concern.

Sincerely yours,

David J. McCombs
Executive Vice President

DLM:frl

THE ORTHOPAEDIC HOSP OF CHARLOTTE

1901 RANDOLPH RD
CHARLOTTE, NC 28207

Medicare Hospital Provider Number: 340153

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	744	1	1 - 5	671	1	1 - 6
Cancer	4	0	6 - 71	1	0	1 - 97
Cerebrovascular Accidents	0	-	-	0	-	-
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	5	0	1 - 74	1	0	0 - 98
Pulmonary Disease	0	-	-	1	0	1 - 97
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	0	-	-
Severe Chronic Heart Disease	0	-	-	1	0	0 - 99
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	0	-	-	0	-	-
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	0	-	-	5	0	0 -100
Musculoskeletal/Skin Conditions	537	1	0 - 4	449	0	1 - 3
Neuropsychiatric/Sensory Disease	2	0	0 -100	3	0	0 -100
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1988

Total Beds (#): 166
Ownership/Control: Private, For Profit

STAFFING

Interns and Residents: 0
Registered Nurses: 95
Licensed Practical Nurses: 5

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

TRANSYLVANIA COMMUNITY HOSP INC

HOSPITAL DR BOX 1116
BREVARD, NC 28712

Medicare Hospital Provider Number: 340088

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	426	12	7 - 14	419	12	6 - 14
Cancer	16	75	25 - 68	9	56	20 - 79
Cerebrovascular Accidents	24	21	13 - 47	21	24	8 - 46
Gastrointestinal Catastrophes	0	-	-	3	67	3 - 86
Infectious Disease	4	0	7 - 72	6	67	5 - 73
Metabolic/Electrolyte Disorders	2	50	4 - 93	2	50	1 - 92
Pulmonary Disease	19	16	12 - 48	14	29	4 - 54
Renal Failure	3	33	5 - 88	0	-	-
Severe Acute Heart Disease	21	29	16 - 55	24	21	18 - 52
Severe Chronic Heart Disease	9	33	4 - 64	20	10	8 - 39
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	29	0	0 - 28	32	3	0 - 53
Gynecologic Disease	9	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	44	2	1 - 18	47	9	0 - 45
Musculoskeletal/Skin Conditions	47	2	0 - 51	52	0	0 - 24
Neuropsychiatric/Sensory Disease	12	0	0 -100	9	0	0 -100
Urologic Disease	29	0	0 - 58	25	4	0 - 87

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	88
Occupancy Rate (%):	56
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	23
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	50
Licensed Practical Nurses:	13

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

TRANSYLVANIA
COMMUNITY
HOSPITAL, INC.

Medicare Provider #340088

October 19, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert:

We thank you for the opportunity to comment on the Medicare Hospital Mortality Information study. We reviewed the cancer deaths used in this study, as it was the only area where Transylvania Community Hospital fell above the range for predicted mortality.

We feel that our mortality rate in the area of cancer deaths appears high for one major reason. Many of the people diagnosed with cancer have aggressive treatment done at major metropolitan hospitals. If the treatment is not successful, then they come back to their home to live out their remaining days with family and friends. These patients are admitted to TCH for terminal care because of complications which develop in the final stages of their disease.

We would like to make this clarification so that a high mortality rate from cancer is not interpreted as meaning the treatment provided for cancer patients is not adequate or that there is a high incidence of cancer in Brevard. In fact, we feel the opposite is true. Cancer patients and their families are confident that the person will receive the best care available to help make their remaining days more comfortable. If this were not so, they would be taken somewhere else where they felt this care could be given. We feel that our size means more personal attention to the needs of the terminally ill patient.

Thank you for the chance to respond to the results of your survey.

Sincerely,

Robert W. Purcell
Administrator

UNION MEMORIAL HOSP-

600 HOSPITAL DR BOX 5003
MONROE, NC 28110

Medicare Hospital Provider Number: 340130

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	880	13	8 - 14	858	12	9 - 14
Cancer	15	53	18 - 67	13	69	29 - 77
Cerebrovascular Accidents	28	36	11 - 47	46	26	17 - 44
Gastrointestinal Catastrophes	9	33	7 - 66	4	25	7 - 81
Infectious Disease	14	36	14 - 63	10	30	12 - 67
Metabolic/Electrolyte Disorders	14	7	4 - 45	7	29	1 - 73
Pulmonary Disease	83	14	15 - 34	88	22	11 - 32
Renal Failure	8	25	15 - 78	3	33	7 - 90
Severe Acute Heart Disease	37	38	22 - 54	33	48	25 - 59
Severe Chronic Heart Disease	38	29	10 - 40	37	22	10 - 38
Severe Trauma	1	0	1 - 97	2	50	3 - 92
Gastrointestinal Disease	71	0	1 - 8	77	1	1 - 11
Gynecologic Disease	10	0	0 -100	12	0	0 -100
Low-Risk Heart Disease	113	4	1 - 12	116	3	1 - 10
Musculoskeletal/Skin Conditions	89	6	0 - 38	75	1	0 - 12
Neuropsychiatric/Sensory Disease	14	14	0 - 99	10	0	0 -100
Urologic Disease	46	2	0 - 73	60	3	0 - 42

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	226
Occupancy Rate (%):	58
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	57
Percent of Physicians Who Are Board Certified Specialists:	67
Interns and Residents:	0
Registered Nurses:	129
Licensed Practical Nurses:	74

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

UNIVERSITY MEMORIAL HOSPITAL

8700 HWY 29 N @ HARRIS BLVD
CHARLOTTE, NC 28213

Medicare Hospital Provider Number: 340166

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	306	11	8 - 15	185	11	7 - 17
Cancer	11	45	16 - 70	4	50	5 - 82
Cerebrovascular Accidents	10	20	7 - 58	7	29	8 - 70
Gastrointestinal Catastrophes	1	100	0 - 99	1	0	0 - 99
Infectious Disease	3	33	2 - 86	2	50	5 - 93
Metabolic/Electrolyte Disorders	1	0	0 - 98	5	0	1 - 69
Pulmonary Disease	25	16	10 - 42	19	21	5 - 46
Renal Failure	4	25	11 - 87	1	0	2 - 98
Severe Acute Heart Disease	11	27	16 - 67	9	44	10 - 69
Severe Chronic Heart Disease	6	17	3 - 68	8	38	4 - 67
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	28	0	0 - 27	15	0	0 - 44
Gynecologic Disease	1	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	30	7	0 - 49	17	0	0 - 41
Musculoskeletal/Skin Conditions	20	0	0 - 91	4	0	0 -100
Neuropsychiatric/Sensory Disease	8	0	0 -100	7	0	0 -100
Urologic Disease	15	0	0 - 65	13	8	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	130
Ownership/Control:	District/Authority

STAFFING

Interns and Residents:	0
Registered Nurses:	60
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

University Memorial Hospital
A Facility of The Charlotte-Mecklenburg Hospital Authority

Post Office Box 560727
Charlotte, North Carolina 28256
Telephone 704 547-9200

Joe Gribbin
Administrator

Medicare Provider Number 3400166

University Memorial Hospital is a 130-bed not-for-profit community hospital, and a member facility of the Charlotte Mecklenburg Hospital Authority. University Memorial provides primary and secondary hospital care, and is licensed for the treatment of Medicare and Medicaid patients.

University Memorial Hospital appreciates the opportunity to review and respond to the 1987 mortality statistics to be published by Health Care Financing Administration in 1988. Even though the facility's overall mortality rate of 11 percent is well within the 8 percent to 15 percent "acceptable" range predicted by HCFA, we feel strongly that the current methodology used needs attention.

The letter from HCFA (Health Care Financing Administration) advising University Memorial Hospital of the 1987 mortality statistics states again "HCFA will stress that the information by itself is not a complete measure of the quality of care at an individual hospital. While we believe that information on hospital mortality rates is useful, until we have developed additional statistical measures to deal with complex issues such as severity of illness, we cannot and do not recommend the use of information by itself to make judgments about the quality of care in an individual hospital or to make comparisons among hospitals. Individual hospitals may have very good reasons for their rates being higher than the range predicted by HCFA's model." (William L. Roper, M.D., Administrator, HCFA).

The mortality rates to be published by HCFA are based on the number of patients who either died at a facility, or who died within 30 days of discharge from that facility. So, hypothetically if a patient was discharged, and was killed in an auto accident two weeks later, that patient's death would still be counted against the medical facility which discharged him in good health.

Also included in the medical center's statistics are those critically ill patients who were transferred from other hospitals in the region for specialized or follow-up care available here. Also included in HCFA's statistics are patients who died from other illnesses, which have little or no relationship to the previous hospital stay. Also included in the statistics are patients who were admitted to the hospital as terminally ill individuals, whose families perhaps preferred the supportive care available here to an home environment. The effect on HCFA's publication of these mortality rates as measures of quality, despite the obvious weaknesses in its data, is one which conceivably may encourage some facilities from accepting critically and terminally ill patients because of the risk of unrealistic representation in HCFA's public study.

During the course of its three years of operations, University Memorial Hospital has served only a moderate number of Medicare cases. Since HCFA uses only Medicare patients in its mortality data review, the low number treated at University Memorial Hospital tends to skew the statistics in either direction. (For instance, the one diagnostic category of 16 reviewed in which University Memorial Hospital performed outside the predicted range represented only one patient treated in 1987; this data patently holds no statistical validity).

The evaluation of quality of patient care is an ongoing effort at hospitals like our own, including monthly and quarterly review of cases by peer groups of physicians, quality review professionals, board members and countless other health care providers. It is not just a matter of annual review of mortality information alone, but a myraid of many other important indicators of good patient care.

University Memorial is pleased to see that HCFA is asking hospitals across the country for input, as it attempts to develop a system for measuring quality in these institutions. It is our firm hope that the input is used to refine the methodology currently in place so that the numbers HCFA makes available to the public truly reflects the quality of care provided in their communities.

US PHS INDIAN HOSP

CHEROKEE, NC 28719

Medicare Hospital Provider Number: 340156

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	91	4	6 - 16	84	12	8 - 23
Cancer	0	-	-	1	100	0 - 98
Cerebrovascular Accidents	3	0	1 - 83	2	0	2 - 88
Gastrointestinal Catastrophes	1	0	1 - 97	0	-	-
Infectious Disease	1	0	3 - 98	1	100	3 - 98
Metabolic/Electrolyte Disorders	0	-	-	2	0	0 - 96
Pulmonary Disease	4	0	7 - 72	8	13	5 - 59
Renal Failure	1	0	1 - 97	3	0	5 - 82
Severe Acute Heart Disease	2	0	5 - 89	2	100	6 - 90
Severe Chronic Heart Disease	5	20	2 - 74	5	40	8 - 79
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	2	0	0 -100	0	-	-
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	10	0	0 - 99	10	0	0 - 93
Musculoskeletal/Skin Conditions	7	0	0 - 99	14	0	0 - 78
Neuropsychiatric/Sensory Disease	4	0	0 -100	2	0	0 -100
Urologic Disease	2	0	0 -100	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1985

Total Beds (#):	26
Ownership/Control:	Federal Government

STAFFING

Interns and Residents:	0
Registered Nurses:	26
Licensed Practical Nurses:	6

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

VALDESE GENERAL HOSP- INC

MALCOLM BLVD BOX 700
VALDESE, NC 28690

Medicare Hospital Provider Number: 340055

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	664	10	8 - 14	624	12	8 - 14
Cancer	17	35	21 - 65	22	36	21 - 62
Cerebrovascular Accidents	16	13	11 - 47	19	16	11 - 47
Gastrointestinal Catastrophes	5	40	3 - 78	6	0	3 - 59
Infectious Disease	4	75	9 - 83	2	0	2 - 88
Metabolic/Electrolyte Disorders	9	33	11 - 69	8	13	4 - 60
Pulmonary Disease	43	12	12 - 35	61	21	12 - 36
Renal Failure	0	-	-	2	50	5 - 94
Severe Acute Heart Disease	38	34	21 - 52	33	39	19 - 53
Severe Chronic Heart Disease	26	27	8 - 43	37	38	7 - 40
Severe Trauma	0	-	-	2	0	2 - 88
Gastrointestinal Disease	59	7	0 - 29	54	2	0 - 16
Gynecologic Disease	8	0	0 -100	11	0	0 -100
Low-Risk Heart Disease	89	1	1 - 8	98	3	1 - 11
Musculoskeletal/Skin Conditions	55	4	0 - 37	42	2	0 - 31
Neuropsychiatric/Sensory Disease	6	17	0 - 97	10	0	0 -100
Urologic Disease	42	0	0 - 14	32	0	0 - 31

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	82
Occupancy Rate (%):	57
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	29
Percent of Physicians Who Are Board Certified Specialists:	83
Interns and Residents:	0
Registered Nurses:	109
Licensed Practical Nurses:	3

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WAKE CO HOSP SYSTEM

3000 NEW BERN AVE
RALEIGH, NC 27610

Medicare Hospital Provider Number: 340069

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,861	11	9 - 13	3,521	10	9 - 13
Cancer	69	43	22 - 49	88	35	27 - 51
Cerebrovascular Accidents	174	24	17 - 32	198	23	17 - 32
Gastrointestinal Catastrophes	19	26	14 - 56	20	50	12 - 57
Infectious Disease	48	35	20 - 50	53	36	20 - 50
Metabolic/Electrolyte Disorders	75	21	14 - 39	51	16	9 - 36
Pulmonary Disease	169	22	17 - 33	137	28	14 - 33
Renal Failure	19	37	15 - 70	29	21	12 - 63
Severe Acute Heart Disease	202	30	26 - 42	131	30	26 - 44
Severe Chronic Heart Disease	141	24	13 - 29	139	22	15 - 30
Severe Trauma	12	58	11 - 65	11	18	7 - 58
Gastrointestinal Disease	162	2	1 - 7	183	4	1 - 8
Gynecologic Disease	29	0	0 -100	28	4	0 -100
Low-Risk Heart Disease	995	4	3 - 6	803	3	3 - 6
Musculoskeletal/Skin Conditions	342	2	1 - 5	356	2	1 - 5
Neuropsychiatric/Sensory Disease	63	0	1 - 9	74	1	1 - 11
Urologic Disease	97	4	0 - 18	110	1	0 - 12

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	513
Occupancy Rate (%):	79
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	573
Percent of Physicians Who Are Board Certified Specialists:	70
Interns and Residents:	0
Registered Nurses:	717
Licensed Practical Nurses:	85

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

WASHINGTON CO HOSP

HIGHWAY 64 E
PLYMOUTH, NC 27962

Medicare Hospital Provider Number: 340112

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	178	11	9 - 19	215	18	11 - 22
Cancer	7	43	18 - 81	2	100	10 - 99
Cerebrovascular Accidents	12	17	13 - 57	12	17	10 - 55
Gastrointestinal Catastrophes	0	-	-	1	100	0 - 99
Infectious Disease	4	50	7 - 84	1	100	2 - 97
Metabolic/Electrolyte Disorders	5	40	2 - 79	5	40	5 - 78
Pulmonary Disease	16	6	9 - 42	17	41	12 - 57
Renal Failure	1	0	1 - 97	2	100	11 - 97
Severe Acute Heart Disease	9	11	15 - 63	15	27	17 - 61
Severe Chronic Heart Disease	8	0	5 - 48	16	6	10 - 42
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	14	7	0 - 96	16	0	0 - 85
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	31	3	0 - 28	37	5	1 - 24
Musculoskeletal/Skin Conditions	8	13	0 -100	12	0	0 - 90
Neuropsychiatric/Sensory Disease	4	0	0 -100	5	0	0 -100
Urologic Disease	4	0	0 -100	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	49
Occupancy Rate (%):	29
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

WATAUGA HOSP INC

DEERFIELD ROAD
BOONE, NC 28607

Medicare Hospital Provider Number: 340051

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	829	12	10 - 16	887	11	9 - 15
Cancer	32	44	28 - 64	34	53	32 - 67
Cerebrovascular Accidents	30	27	13 - 46	29	21	14 - 45
Gastrointestinal Catastrophes	4	75	5 - 80	5	40	6 - 79
Infectious Disease	5	40	13 - 83	9	33	17 - 74
Metabolic/Electrolyte Disorders	19	11	13 - 48	14	21	4 - 53
Pulmonary Disease	63	25	19 - 43	61	20	15 - 38
Renal Failure	2	0	7 - 91	0	-	-
Severe Acute Heart Disease	46	48	25 - 55	35	34	20 - 52
Severe Chronic Heart Disease	21	43	13 - 54	35	31	12 - 43
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	77	5	2 - 15	86	5	1 - 14
Gynecologic Disease	20	0	0 -100	17	0	0 -100
Low-Risk Heart Disease	84	2	2 - 11	118	7	1 - 13
Musculoskeletal/Skin Conditions	117	1	0 - 7	88	2	0 - 15
Neuropsychiatric/Sensory Disease	15	0	0 - 41	26	8	0 - 84
Urologic Disease	46	0	0 - 13	44	5	0 - 51

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	104
Occupancy Rate (%):	62
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

WAYNE MEMORIAL HOSP

2700 WAYNE MEMORIAL DR
GOLDSBORO, NC 27530

Medicare Hospital Provider Number: 340010

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,834	17	11 - 16	1,800	15	11 - 16
Cancer	91	62	32 - 56	87	59	29 - 54
Cerebrovascular Accidents	107	37	16 - 36	87	33	17 - 38
Gastrointestinal Catastrophes	22	32	16 - 57	20	30	16 - 59
Infectious Disease	27	41	14 - 53	26	38	17 - 56
Metabolic/Electrolyte Disorders	24	25	7 - 47	15	20	9 - 54
Pulmonary Disease	114	30	17 - 37	106	30	14 - 35
Renal Failure	3	67	8 - 90	8	88	15 - 76
Severe Acute Heart Disease	100	37	27 - 48	111	37	28 - 49
Severe Chronic Heart Disease	104	28	13 - 32	89	24	13 - 32
Severe Trauma	3	0	6 - 80	2	0	1 - 89
Gastrointestinal Disease	131	4	1 - 10	116	3	1 - 9
Gynecologic Disease	13	0	0 -100	19	0	0 -100
Low-Risk Heart Disease	193	3	2 - 8	196	4	2 - 8
Musculoskeletal/Skin Conditions	148	3	0 - 9	146	1	1 - 7
Neuropsychiatric/Sensory Disease	56	7	0 - 29	91	1	1 - 9
Urologic Disease	72	1	0 - 16	70	3	0 - 23

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 262
Occupancy Rate (%): 65
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 100
Percent of Physicians Who Are Board Certified Specialists: 54
Interns and Residents: 0
Registered Nurses: 203
Licensed Practical Nurses: 89

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

Comments on HCFA Mortality Data

Data Verfication

The data used by the Health Care Financing Administration (HCFA) indicate that a total of 341 Medicare patients admitted to Wayne Memorial Hospital (340010 hospital) died within 30 days of admission. Of these, 288 died within 30 days of admission while still an inpatient and 63 died after discharge. It is impossible for us to determine how many of the 63 patients who were discharged alive did die within 30 days of admission because information concerning death after discharge is not included in a patient's medical record.

HCFA data also showed that 1834 Medicare admissions occurred in 1987. Our own records indicate that 3,071 Medicare admissions occurred in 1987. Presumably the discrepancy reflects multiple admissions of Medicare patients to the hospital.

Without detailed information concerning the billing data available to HCFA in computing the predicted mortality rate, it is impossible to verify the accuracy of the diagnostic or other data used in HCFA's analysis.

Interpretive Remarks

HCFA's statistical model for predicting mortality rates for different illnesses with hospitalization of Medicare patients is, at best, crude estimates of the expected risk of death. For example, statisticians have still not developed reliable and valid measures to factor in complex issues such as the severity of an illness of each patient.

HCFA's data are not a measure of the quality of care at a hospital. The mortality predictors are intended as a guide to hospitals to indicate services where quality might be a problem. These predictors deserve a more detailed review. HCFA recognizes this and recommends that its information not be used by itself to make judgmeents about the quality of care in an individual hospital or to make comparisons among hospitals.

At Wayne Memorial Hospital, analysis and review of quality of care remains an ongoing part of the hospital's treatment of any patient. All deaths in the hospital are reviewed with the medical staff in the quality assurance program. Equally important is the concurrent review process which evaluates during hospitalization many important aspects of quality patient care. Also the hospital's quality assurance committee, including hospital board members, receive quarterly reports on all quality issues.

HCFA's review of the 1987 Medicare mortality data on Wayne Memorial Hospital shows the incidence of death within 30 days of hospitalization from cancer (62%) was six percentage points above the range of predicted mortality for those cases (32% to 56%).

There are several factors that could contribute to Wayne Memorial Hospital's mortality rate for cancer being six percentage points above HCFA's predicted rate. One factor is the probable greater severity of the Medicare cancer cases admitted at Wayne Memorial Hospital versus the average hospital patient mix used in HCFA's model.

One reason for this possible greater severity is the fact Wayne Memorial Hospital serves as a five-county referral center in cancer treatment. But, HCFA's model does not address the issue of severity. According to Wayne Memorial Hospital's records, severity is probably a major factor in cancer mortality rates.

Also, Wayne Memorial Hospital's mortality rate for cerebrovascular accidents (37%) is one percentage point above HCFA's predicted range (16% to 36%). This deviation could be due to pure statistical chance.

But there are several factors that could contribute to Wayne Memorial Hospital's mortality rate in this category being one percentage point higher. One is the fact the hospital established a neurosurgical service in 1987. Consequently, more patients with that type of illness were seen at Wayne Memorial Hospital. Also, the fact Wayne Memorial Hospital serves patients living in eastern North Carolina could also be a factor. People living in this area suffer from high incidences of high blood pressure and strokes because of the high fat, high cholesterol diet that is consumed by a majority of its residents. This dietary factor could be attributed to the higher mortality for those cases. But again, severity of illness or factors such as diet and lifestyle are not considered in HCFA's model although they probably contributed to why Wayne Memorial Hospital is one percentage point higher in this range.

In summary, HCFA again openly acknowledges the limitations of the data, the need for continued refinement and the fact that the data cannot be used directly as a measure of hospital performance. The HCFA statistical model raises important questions but does not answer them. Quality judgements can only be made after thoroughly reviewing all the information contained in patients' medical records. Each hospital's quality assurance program and medical staff should do this type of review which for decades has been standard practice at Wayne Memorial Hospital.

WESLEY LONG COMMUNITY HOSP

501 N ELAM AV
GREENSBORO, NC 27402

Medicare Hospital Provider Number: 340125

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,418	10	9 - 13	2,364	10	8 - 13
Cancer	97	37	28 - 51	86	43	27 - 52
Cerebrovascular Accidents	88	18	18 - 36	119	24	19 - 36
Gastrointestinal Catastrophes	33	27	18 - 53	16	19	14 - 57
Infectious Disease	29	31	21 - 57	22	23	23 - 61
Metabolic/Electrolyte Disorders	22	27	13 - 53	27	33	8 - 47
Pulmonary Disease	105	28	15 - 35	100	21	12 - 32
Renal Failure	5	60	9 - 83	4	0	3 - 75
Severe Acute Heart Disease	69	39	28 - 52	85	40	27 - 50
Severe Chronic Heart Disease	80	21	13 - 33	83	14	14 - 31
Severe Trauma	3	33	3 - 86	3	33	1 - 90
Gastrointestinal Disease	197	4	1 - 8	221	3	1 - 7
Gynecologic Disease	25	0	0 -100	19	0	0 -100
Low-Risk Heart Disease	246	2	1 - 6	250	3	1 - 7
Musculoskeletal/Skin Conditions	278	1	1 - 5	267	1	1 - 5
Neuropsychiatric/Sensory Disease	42	0	0 - 18	61	5	0 - 34
Urologic Disease	147	1	0 - 7	125	1	0 - 8

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	250
Occupancy Rate (%):	70
Ownership/Control:	Private, Non-profit

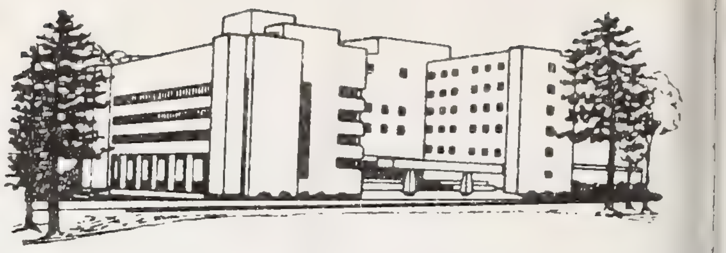
STAFFING

Total Number of Physicians:	277
Percent of Physicians Who Are Board Certified Specialists:	74
Interns and Residents:	0
Registered Nurses:	282
Licensed Practical Nurses:	12

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Wesley Long Community Hospital, Inc.



October 18, 1988

William L. Roper, M.D.
The Administrator
Health Care Financing Administration
Department of Health and Human Services
Washington, D.C. 20201

Hospital I.D. #340125

Dear Mr. Roper:

On behalf of Wesley Long Community Hospital (WLCH), I am in receipt of HCFA's publication entitled, Medicare Hospital Mortality Information (1987). We have reviewed the information provided and appreciate the opportunity to respond.

The errors most immediately noted requiring correction are under the heading of Hospital Characteristics. A discussion with individuals in the Annual Survey section of the American Hospital Association (AHA), as well as a thorough review of our records, indicates that in 1986, 1987, and 1988, WLCH was licensed for 341 beds and staffed 254 beds. The Medicare Hospital Mortality Information indicates that Wesley Long has 187 beds. Furthermore, the information sheet indicates WLCH does not have a Coronary Care Unit. Again, discussions with the AHA representatives indicated that the majority of hospitals have shared ICU/CCUs, rather than dedicated CCUs, and are listed as having a CCU. WLCH currently has a 17 bed ICU/CCU with complete cardiac monitoring capabilities.

We applaude HCFA's interest and efforts to ensure that hospitals are providing the highest possible level of quality care, but we take issue with the methodology used, specifically as it relates to the mortality data. Wesley Long is pleased to find that we are well within the acceptable ranges identified by HCFA for both 1986 and 1987, particularly given a Medicare case mix index of 1.312, but we agree with your comment, "that the information by itself is not a complete measure of the quality of care at an individual hospital." Mortality data has the potential to be misunderstood by both the media and the general public.

While Wesley Long is presented favorably by HCFA's mortality data, such statistics do not represent a true measure of quality of care. It is our belief that a more appropriate approach is a comprehensive Quality Assurance Program to include Risk Management and a thorough Medical Peer Review system.

Our Quality Assurance Program has the support and cooperation of Hospital Administration, the Medical Staff, and the Board of Trustees. Each Hospital and Medical Staff department provides a report of the results of monitoring activities on a quarterly basis to the Quality Assurance Committee. Areas identified as treating high risk patients have individualized quality assurance programs tailored to monitor the specialized patient care provided in those areas.

Medical Staff Quality Assurance at Wesley Long is supported through the efforts of a rigorous Medical Peer Review process. Following patient discharge, the medical record is screened against a wide area of clinical indicators. Records identified through applying these screens are presented to a Medical Staff Peer Review Committee for further review. Reported incidents identified by Risk Management are also submitted for review. All deaths are processed through several levels of review, and those deaths which were not clearly anticipated (e.g. patients not diagnosed as having a terminal illness) are submitted for physician scrutiny. The Chiefs of each Medical Staff department sit on their respective Peer Review Committees and subsequently report any actions or identify problems each month.

In summary, the Quality Assurance Program we have implemented examines a wide variety of indicators to ensure that Wesley Long provides the highest quality of care available. Mortality rates alone cannot stand as an indicator of quality.

Sincerely,

John A. Schrull
President

JAS/jsb3-4

WESTERN CAROLINA CENTER HOSP

300 ENOLA RD
MORGANTON, NC 28655

Medicare Hospital Provider Number: 340154

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	29	7	0 - 69	35	3	0 - 35
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	0	-	-	0	-	-
Gastrointestinal Catastrophes	0	-	-	1	0	0 - 99
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	1	0	0 -100	0	-	-
Pulmonary Disease	3	0	0 - 99	3	0	0 - 99
Renal Failure	1	100	0 -100	0	-	-
Severe Acute Heart Disease	0	-	-	0	-	-
Severe Chronic Heart Disease	0	-	-	0	-	-
Severe Trauma	0	-	-	1	0	0 -100
Gastrointestinal Disease	2	0	0 -100	0	-	-
Gynecologic Disease	1	0	0 -100	0	-	-
Low-Risk Heart Disease	1	0	0 -100	0	-	-
Musculoskeletal/Skin Conditions	4	0	0 -100	6	0	0 -100
Neuropsychiatric/Sensory Disease	3	0	0 -100	4	0	0 -100
Urologic Disease	1	0	0 -100	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1988

Total Beds (#):	8
Ownership/Control:	State Government

STAFFING

Interns and Residents:	0
Registered Nurses:	4
Licensed Practical Nurses:	1

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	Yes
Hospice Care:	No

WILKES GENERAL HOSP-

W D ST
NORTH WILKESBORO, NC 28659

Medicare Hospital Provider Number: 340064

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,078	13	9 - 14	1,019	13	9 - 15
Cancer	21	62	25 - 66	18	44	25 - 70
Cerebrovascular Accidents	38	34	13 - 43	55	35	17 - 43
Gastrointestinal Catastrophes	6	33	13 - 80	8	13	11 - 64
Infectious Disease	10	50	9 - 67	6	33	9 - 75
Metabolic/Electrolyte Disorders	28	29	11 - 49	15	27	4 - 54
Pulmonary Disease	51	25	16 - 42	81	23	13 - 35
Renal Failure	3	67	3 - 87	5	60	6 - 82
Severe Acute Heart Disease	39	56	26 - 57	53	53	28 - 55
Severe Chronic Heart Disease	55	25	13 - 37	39	21	12 - 39
Severe Trauma	1	0	1 - 97	4	50	7 - 84
Gastrointestinal Disease	110	2	1 - 9	84	6	0 - 21
Gynecologic Disease	22	0	0 -100	17	0	0 -100
Low-Risk Heart Disease	97	2	1 - 9	102	2	1 - 9
Musculoskeletal/Skin Conditions	92	4	0 - 20	79	3	0 - 18
Neuropsychiatric/Sensory Disease	40	0	0 - 19	29	0	0 - 35
Urologic Disease	52	0	0 - 22	43	5	0 - 39

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	133
Occupancy Rate (%):	67
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	50
Percent of Physicians Who Are Board Certified Specialists:	48
Interns and Residents:	0
Registered Nurses:	88
Licensed Practical Nurses:	47

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WILSON MEMORIAL HOSP-

1705 S TARBORO ST
WILSON, NC 27893

Medicare Hospital Provider Number: 340126

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,270	14	10 - 15	2,242	13	10 - 14
Cancer	84	56	33 - 58	81	58	29 - 54
Cerebrovascular Accidents	157	27	18 - 34	129	22	18 - 34
Gastrointestinal Catastrophes	25	24	13 - 51	16	25	13 - 58
Infectious Disease	13	46	14 - 65	29	21	19 - 53
Metabolic/Electrolyte Disorders	43	35	15 - 48	38	34	9 - 44
Pulmonary Disease	100	33	14 - 36	131	27	15 - 34
Renal Failure	7	14	9 - 72	4	25	7 - 84
Severe Acute Heart Disease	99	38	26 - 47	115	39	27 - 47
Severe Chronic Heart Disease	98	22	15 - 33	91	21	13 - 32
Severe Trauma	5	40	8 - 80	6	50	5 - 75
Gastrointestinal Disease	167	3	1 - 8	152	4	1 - 9
Gynecologic Disease	12	0	0 -100	14	0	0 -100
Low-Risk Heart Disease	315	4	2 - 7	304	5	1 - 7
Musculoskeletal/Skin Conditions	164	2	1 - 8	150	1	0 - 8
Neuropsychiatric/Sensory Disease	131	2	0 - 11	119	3	0 - 10
Urologic Disease	50	2	0 - 18	51	2	0 - 18

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	281
Occupancy Rate (%):	73
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	81
Percent of Physicians Who Are Board Certified Specialists:	85
Interns and Residents:	0
Registered Nurses:	231
Licensed Practical Nurses:	49

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ABBEVILLE CO MEMORIAL HOSP-

HIGHWAY 72 BOX 887
ABBEVILLE, SC 29620

Medicare Hospital Provider Number: 420061

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	278	18	8 - 18	397	12	10 - 17
Cancer	4	75	16 - 90	8	63	18 - 78
Cerebrovascular Accidents	15	47	10 - 58	20	35	15 - 56
Gastrointestinal Catastrophes	1	100	0 - 98	3	0	2 - 80
Infectious Disease	5	60	9 - 80	3	0	8 - 81
Metabolic/Electrolyte Disorders	3	0	1 - 83	11	9	9 - 53
Pulmonary Disease	30	37	10 - 46	22	27	12 - 50
Renal Failure	1	0	0 - 98	1	100	2 - 97
Severe Acute Heart Disease	10	50	14 - 70	23	57	23 - 63
Severe Chronic Heart Disease	18	22	7 - 48	18	17	5 - 44
Severe Trauma	0	-	-	1	0	0 - 98
Gastrointestinal Disease	34	0	0 - 24	43	0	0 - 15
Gynecologic Disease	6	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	32	9	0 - 59	53	0	1 - 10
Musculoskeletal/Skin Conditions	7	14	0 -100	22	0	0 - 34
Neuropsychiatric/Sensory Disease	9	0	0 -100	10	0	0 - 91
Urologic Disease	10	0	0 -100	28	0	0 - 57

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	52
Occupancy Rate (%):	35
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	20
Percent of Physicians Who Are Board Certified Specialists:	70
Interns and Residents:	0
Registered Nurses:	26
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ALLEN BENNETT MEMORIAL HOSP-

313 MEMORIAL DR
GREER, SC 29651

Medicare Hospital Provider Number: 420033

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	675	11	8 - 14	754	11	8 - 14
Cancer	10	20	19 - 70	8	38	13 - 73
Cerebrovascular Accidents	27	26	11 - 45	26	23	13 - 47
Gastrointestinal Catastrophes	4	25	2 - 80	4	25	2 - 81
Infectious Disease	4	50	4 - 82	3	0	4 - 79
Metabolic/Electrolyte Disorders	10	20	3 - 60	7	0	6 - 54
Pulmonary Disease	34	29	10 - 43	32	25	12 - 44
Renal Failure	3	67	3 - 87	6	0	18 - 77
Severe Acute Heart Disease	39	38	21 - 52	43	37	26 - 55
Severe Chronic Heart Disease	38	24	10 - 38	41	27	8 - 37
Severe Trauma	1	0	1 - 97	1	100	1 - 97
Gastrointestinal Disease	52	2	0 - 17	72	3	0 - 16
Gynecologic Disease	12	0	0 -100	12	0	0 -100
Low-Risk Heart Disease	77	1	1 - 10	84	2	1 - 12
Musculoskeletal/Skin Conditions	36	0	0 - 20	38	0	1 - 15
Neuropsychiatric/Sensory Disease	10	0	0 -100	8	0	0 - 61
Urologic Disease	50	0	0 - 24	83	4	0 - 35

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	174
Occupancy Rate (%):	73
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	41
Percent of Physicians Who Are Board Certified Specialists:	63
Interns and Residents:	0
Registered Nurses:	71
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ALLENDALE CO HOSP

HIGHWAY 278 W BOX 218
FAIRFAX, SC 29827

Medicare Hospital Provider Number: 420031

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	206	17	10 - 21	264	11	8 - 17
Cancer	4	75	17 - 90	6	100	26 - 75
Cerebrovascular Accidents	18	39	11 - 55	18	33	12 - 55
Gastrointestinal Catastrophes	2	0	1 - 90	0	-	-
Infectious Disease	2	0	2 - 88	0	-	-
Metabolic/Electrolyte Disorders	5	20	1 - 81	5	0	2 - 67
Pulmonary Disease	23	13	6 - 39	12	17	8 - 54
Renal Failure	4	50	13 - 92	1	100	3 - 98
Severe Acute Heart Disease	10	60	16 - 71	13	38	18 - 67
Severe Chronic Heart Disease	24	17	8 - 41	23	9	9 - 37
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	12	0	0 - 78	18	0	0 - 47
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	24	8	0 - 68	36	0	0 - 20
Musculoskeletal/Skin Conditions	6	0	0 -100	22	5	0 -100
Neuropsychiatric/Sensory Disease	4	0	0 -100	10	0	0 - 72
Urologic Disease	2	50	0 -100	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 84
Occupancy Rate (%): 67
Ownership/Control: Local Government

STAFFING

Total Number of Physicians: 6
Percent of Physicians Who Are Board Certified Specialists: 100
Interns and Residents: 0
Registered Nurses: 7
Licensed Practical Nurses: 7

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

AMI DOCTOR'S MEMORIAL HOSP

389 SERPENTINE DR
SPARTANBURG, SC 29303

Medicare Hospital Provider Number: 420076

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	399	5	4 - 9	762	4	3 - 8
Cancer	8	13	8 - 61	7	43	10 - 74
Cerebrovascular Accidents	7	0	8 - 53	8	25	8 - 66
Gastrointestinal Catastrophes	2	50	1 - 93	2	50	3 - 92
Infectious Disease	4	25	6 - 80	5	40	4 - 78
Metabolic/Electrolyte Disorders	4	0	0 - 87	3	0	0 - 98
Pulmonary Disease	6	33	2 - 75	10	10	8 - 54
Renal Failure	0	-	-	2	50	6 - 95
Severe Acute Heart Disease	3	67	6 - 87	9	56	17 - 75
Severe Chronic Heart Disease	16	6	11 - 42	17	12	6 - 42
Severe Trauma	0	-	-	1	0	0 - 99
Gastrointestinal Disease	51	2	0 - 24	70	3	0 - 18
Gynecologic Disease	14	0	0 -100	9	0	0 -100
Low-Risk Heart Disease	38	0	1 - 14	60	3	0 - 20
Musculoskeletal/Skin Conditions	47	0	0 - 25	68	3	0 - 43
Neuropsychiatric/Sensory Disease	37	0	0 - 39	281	0	0 - 4
Urologic Disease	44	2	0 - 86	42	2	0 - 91

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 108
Occupancy Rate (%): (not available)
Ownership/Control: Private, For Profit

STAFFING

Total Number of Physicians: (not available)
Percent of Physicians Who Are Board Certified Specialists: (not available)
Interns and Residents: (not available)
Registered Nurses: (not available)
Licensed Practical Nurses: (not available)

SPECIALTY SERVICES

Shock/Trauma Unit: (not available)
Burn Unit: (not available)
Medical/Surgical Intensive Care: (not available)
Cardiac Intensive Care: (not available)
Organ Transplant Service: (not available)
Hospice Care: (not available)

AMI EAST COOPER COMMUNITY HOSP

1200 HWY 17 BY PASS
MT PLEASANT, SC 29464

Medicare Hospital Provider Number: 420089

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	539	12	8 - 14	396	12	8 - 16
Cancer	11	55	16 - 70	9	44	17 - 75
Cerebrovascular Accidents	15	33	8 - 55	12	17	10 - 55
Gastrointestinal Catastrophes	2	50	1 - 92	2	50	4 - 93
Infectious Disease	11	73	13 - 65	10	60	14 - 70
Metabolic/Electrolyte Disorders	15	13	6 - 48	10	10	3 - 54
Pulmonary Disease	37	24	11 - 41	21	38	9 - 51
Renal Failure	2	100	10 - 95	1	0	0 - 99
Severe Acute Heart Disease	14	43	18 - 66	16	38	22 - 67
Severe Chronic Heart Disease	24	25	9 - 44	14	29	11 - 58
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	39	5	0 - 48	34	3	0 - 48
Gynecologic Disease	2	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	42	5	1 - 23	29	7	0 - 49
Musculoskeletal/Skin Conditions	31	0	0 - 25	32	3	0 - 82
Neuropsychiatric/Sensory Disease	45	0	0 - 26	16	6	0 - 97
Urologic Disease	27	0	0 - 26	21	0	0 - 87

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1988

Total Beds (#):	100
Ownership/Control:	Private, For Profit

STAFFING

Interns and Residents:	0
Registered Nurses:	59
Licensed Practical Nurses:	18

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ANDERSON MEMORIAL HOSP-

800 N FANT ST
ANDERSON, SC 29621

Medicare Hospital Provider Number: 420027

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,976	12	10 - 13	4,209	11	10 - 14
Cancer	155	37	30 - 51	187	39	32 - 52
Cerebrovascular Accidents	152	25	18 - 34	138	22	20 - 36
Gastrointestinal Catastrophes	35	34	21 - 56	32	38	18 - 55
Infectious Disease	68	41	20 - 47	71	42	23 - 51
Metabolic/Electrolyte Disorders	63	14	11 - 36	38	16	8 - 38
Pulmonary Disease	226	23	16 - 31	240	20	16 - 31
Renal Failure	16	44	13 - 70	18	44	14 - 71
Severe Acute Heart Disease	121	47	26 - 46	145	41	30 - 48
Severe Chronic Heart Disease	176	22	15 - 29	171	23	16 - 31
Severe Trauma	7	14	4 - 65	7	29	7 - 71
Gastrointestinal Disease	354	2	2 - 6	363	3	1 - 6
Gynecologic Disease	26	4	0 -100	37	0	0 -100
Low-Risk Heart Disease	466	2	2 - 5	450	3	2 - 6
Musculoskeletal/Skin Conditions	266	3	1 - 7	277	2	1 - 6
Neuropsychiatric/Sensory Disease	150	4	0 - 11	142	0	0 - 5
Urologic Disease	186	1	0 - 7	226	1	0 - 6

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	446
Occupancy Rate (%):	71
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	150
Percent of Physicians Who Are Board Certified Specialists:	82
Interns and Residents:	24
Registered Nurses:	244
Licensed Practical Nurses:	131

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

MEDICARE PROVIDER #42-0027

ANDERSON MEMORIAL HOSPITAL
800 North Fant Street • Anderson, South Carolina 29621 • (803) 261-1000

October 20, 1988

Health Standards and Quality Bureau
Health Care financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Attention: Mrs. Sandra Kappert

Gentlemen:

Our hospital again appreciates the opportunity to comment on the mortality information about Medicare patients treated at our hospital in 1987. The data provides yet another tool to enhance the program of patient care evaluation in place as part of our institution-wide quality assurance program. As any outcome data, a mortality rate that is higher or lower than the predicted rate is not an indication of the quality of care provided. It is merely a question. For that reason, we believe the identification of an all-cause mortality rate, as well as that for sixteen categories, will be useful in identifying groups for further quality assessment.

As we commented last year, "risk adjustments" and the development of "severity measures" seem to be very important modifiers of any outcome evaluation process. While we note that this year's data are improved, we plan to utilize two modifiers in our evaluation process. The first will be a modification of the Apache II Severity Scoring System to describe the general condition of the patient within 24 hours of admission. In addition, we have developed a computerized resource tracking system that incorporates more than 80 variables and is hospital specific with a high predictability of resource usage and outcome. All of these techniques will be utilized as screening tools for focusing peer review in a number of our clinical departments. It is only through review by trained hospital quality review professionals that cases can be selected for peer review by our medical staff. It is here that judgements regarding the quality of care and appropriateness of medical practice can be determined.

Death is only one of the many possible outcomes of treatment, and mortality review is only one of several important components of our hospital's comprehensive quality assessment program. Such programs are designed to enhance patient safety, appropriate utilization of resources, and reduce the probability of preventable adverse clinical outcomes. Moreover, the value of a quality assessment method lies in its ability to identify remediable deficiencies in patient care for which corrective action can be instituted.

Anderson Memorial Hospital is proud to have in place a comprehensive and systematic review and evaluation process. The hospital's quality assurance plan is reviewed on an annual basis by the medical staff and governing board. Likewise, the entire process is subject to periodic review by the Joint Commission on Healthcare Organizations and other external review organizations. Anderson Memorial Hospital has consistently met the high standards required for accreditation.

These comments and actions demonstrate that quality of care is of the utmost concern to Anderson Memorial Hospital's governing board, management, and medical staff. The hospital will be pleased to meet with interested parties for the purpose of sharing information about the hospital-wide quality assurance program. Thank you for the opportunity to provide comments on this data concerning 1987 Medicare patients. I am

Sincerely yours,

FG Jones

Frederic G. Jones, M.D., FACC
Executive Vice President/Medical Affairs

FGJ/sdb

B J WORKMAN MEMORIAL HOSP-

751 E GEORGIA ST
WOODRUFF, SC 29388

Medicare Hospital Provider Number: 420022

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	219	14	8 - 18	226	10	6 - 15
Cancer	3	33	4 - 86	2	50	1 - 92
Cerebrovascular Accidents	12	33	9 - 60	9	33	5 - 64
Gastrointestinal Catastrophes	5	40	3 - 78	1	0	2 - 97
Infectious Disease	1	0	0 - 99	3	33	3 - 86
Metabolic/Electrolyte Disorders	2	0	0 - 98	2	50	0 - 98
Pulmonary Disease	20	15	14 - 48	22	23	9 - 46
Renal Failure	5	80	5 - 78	1	0	2 - 97
Severe Acute Heart Disease	11	36	15 - 68	8	38	11 - 71
Severe Chronic Heart Disease	12	17	8 - 53	11	9	9 - 51
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	26	4	0 - 33	28	0	0 - 48
Gynecologic Disease	4	0	0 -100	0	-	-
Low-Risk Heart Disease	35	3	0 - 24	45	9	0 - 34
Musculoskeletal/Skin Conditions	11	0	0 - 96	18	6	0 -100
Neuropsychiatric/Sensory Disease	2	0	0 -100	6	0	0 -100
Urologic Disease	4	25	0 -100	7	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	43
Occupancy Rate (%):	56
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	4
Percent of Physicians Who Are Board Certified Specialists:	50
Interns and Residents:	0
Registered Nurses:	10
Licensed Practical Nurses:	5

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

B.J. WORKMAN
MEMORIAL HOSPITAL
The Best Technology Starts With Caring

September 29, 1988

Ms. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2-D-2
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Ms. Kappert:

COMMENTS:

According to the Medicare Hospital Mortality information report for calendar year 1987, the data is acceptable with the exception of diagnostic category Renal Failure. According to your data our actual mortality rate percent was 80 and the predicted range percent was 5-78 showing a 2% increase differential.

Of the category renal failure case [redacted] this patient did not expire in our hospital. This patient was discharged home and had a follow-up appointment with his physician August 5, 1987.

Case [redacted] showed the primary diagnosis was septicemia and diagnosis #8 was renal failure

Allowing for these two differences in the mortality report this would develop a completely new and drastically lower actual mortality rate percent.

Thank you for allowing a reponse to this report.

Sincerely yours,

Curtis Walker
Administrator

CW/ds

BAILEY MEMORIAL HOSP-

JACOBS HIGHWAY DRAWER 976
CLINTON, SC 29325

Medicare Hospital Provider Number: 420038

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	303	11	7 - 15	363	12	6 - 14
Cancer	3	67	14 - 96	12	50	16 - 69
Cerebrovascular Accidents	22	23	10 - 46	15	40	9 - 57
Gastrointestinal Catastrophes	2	50	4 - 93	2	50	1 - 93
Infectious Disease	2	50	5 - 94	1	0	0 -100
Metabolic/Electrolyte Disorders	1	0	0 -100	5	20	2 - 77
Pulmonary Disease	8	38	5 - 67	18	33	7 - 51
Renal Failure	1	100	0 - 98	0	-	-
Severe Acute Heart Disease	10	30	17 - 70	14	50	14 - 63
Severe Chronic Heart Disease	23	4	8 - 32	10	10	7 - 52
Severe Trauma	0	-	-	1	0	0 - 99
Gastrointestinal Disease	36	3	0 - 32	34	0	0 - 31
Gynecologic Disease	2	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	35	9	0 - 43	47	2	0 - 21
Musculoskeletal/Skin Conditions	15	0	0 - 67	25	4	0 - 77
Neuropsychiatric/Sensory Disease	14	0	0 - 77	19	5	0 - 97
Urologic Disease	4	0	0 -100	5	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 110
Occupancy Rate (%): 57
Ownership/Control: District/Authority

STAFFING

Total Number of Physicians: 14
Percent of Physicians Who Are Board Certified Specialists: 100
Interns and Residents: 0
Registered Nurses: 20
Licensed Practical Nurses: 23

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

BAKER HOSP

2750 SPEISSEGGER DR
N CHARLESTON, SC 29406

Medicare Hospital Provider Number: 420088

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	**Actual Mortality Rate (%)**	**Range For Predicted Mortality (%)**	**Cases**	**Actual Mortality Rate (%)**	**Range For Predicted Mortality (%)**
All Cases	418	12	7 - 14	438	11	7 - 14
Cancer	6	50	9 - 77	11	73	20 - 71
Cerebrovascular Accidents	18	17	7 - 45	22	23	10 - 47
Gastrointestinal Catastrophes	4	0	5 - 71	4	25	11 - 85
Infectious Disease	5	60	8 - 79	4	50	2 - 82
Metabolic/Electrolyte Disorders	12	25	2 - 59	6	33	5 - 73
Pulmonary Disease	19	21	9 - 48	22	18	9 - 45
Renal Failure	1	0	3 - 98	2	0	6 - 90
Severe Acute Heart Disease	15	47	17 - 64	12	42	14 - 66
Severe Chronic Heart Disease	18	33	9 - 52	22	27	13 - 51
Severe Trauma	2	0	1 - 91	1	0	0 - 98
Gastrointestinal Disease	25	4	0 - 50	45	2	0 - 38
Gynecologic Disease	6	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	27	7	1 - 36	35	0	1 - 14
Musculoskeletal/Skin Conditions	42	2	0 - 60	47	0	0 - 28
Neuropsychiatric/Sensory Disease	19	5	0 - 96	14	0	0 - 94
Urologic Disease	25	0	0 - 99	19	5	0 - 99

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1986

Total Beds (#): 104
Ownership/Control: Private, Non-profit

STAFFING

Interns and Residents: 0
Registered Nurses: 52
Licensed Practical Nurses: 22

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: No

BAMBERG CO MEMORIAL HOSP-

NORTH MCGEE STS BOX 507
BAMBERG, SC 29003

Medicare Hospital Provider Number: 420056

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	353	12	8 - 16	459	14	8 - 16
Cancer	8	38	17 - 77	12	67	16 - 67
Cerebrovascular Accidents	22	23	12 - 48	20	45	15 - 57
Gastrointestinal Catastrophes	4	50	1 - 85	3	33	3 - 86
Infectious Disease	7	43	3 - 71	7	57	9 - 74
Metabolic/Electrolyte Disorders	7	29	1 - 73	10	30	5 - 62
Pulmonary Disease	32	22	14 - 44	34	26	14 - 45
Renal Failure	1	0	1 - 97	5	80	14 - 85
Severe Acute Heart Disease	15	27	12 - 57	15	67	22 - 68
Severe Chronic Heart Disease	16	19	7 - 48	13	15	8 - 51
Severe Trauma	1	0	0 -100	0	-	-
Gastrointestinal Disease	47	2	0 - 24	65	2	0 - 13
Gynecologic Disease	2	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	32	0	1 - 17	50	6	0 - 29
Musculoskeletal/Skin Conditions	25	0	0 - 40	42	0	0 - 15
Neuropsychiatric/Sensory Disease	5	0	0 -100	15	0	0 - 65
Urologic Disease	1	0	0 -100	8	13	0 - 95

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	81
Occupancy Rate (%):	92
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	9
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	16
Licensed Practical Nurses:	18

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BAPTIST MEDICAL CENTER AT COLUMBIA

TAYLOR AT MARION
COLUMBIA , SC 29220

Medicare Hospital Provider Number: 420086

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,903	11	9 - 13	3,248	10	8 - 12
Cancer	202	46	33 - 52	245	42	35 - 54
Cerebrovascular Accidents	111	22	16 - 34	87	20	17 - 35
Gastrointestinal Catastrophes	22	36	14 - 57	46	28	18 - 50
Infectious Disease	25	16	19 - 53	16	50	16 - 64
Metabolic/Electrolyte Disorders	19	16	11 - 50	15	20	5 - 51
Pulmonary Disease	98	29	14 - 35	110	15	14 - 31
Renal Failure	10	10	4 - 63	14	29	8 - 67
Severe Acute Heart Disease	56	48	23 - 50	60	38	25 - 51
Severe Chronic Heart Disease	82	22	12 - 31	72	42	13 - 37
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	261	2	1 - 6	301	3	1 - 6
Gynecologic Disease	68	0	0 - 17	70	0	0 -100
Low-Risk Heart Disease	213	4	1 - 8	236	2	1 - 6
Musculoskeletal/Skin Conditions	272	4	0 - 7	333	1	1 - 5
Neuropsychiatric/Sensory Disease	169	4	0 - 10	245	2	0 - 7
Urologic Disease	215	0	0 - 5	276	1	0 - 7

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	433
Occupancy Rate (%):	74
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	534
Percent of Physicians Who Are Board Certified Specialists:	79
Interns and Residents:	0
Registered Nurses:	423
Licensed Practical Nurses:	88

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

BAPTIST MEDICAL CTR EASLEY

FLEETWOOD ROAD
EASLEY , SC 29640

Medicare Hospital Provider Number: 420015

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	814	12	8 - 14	1,002	13	8 - 13
Cancer	16	31	19 - 64	21	48	24 - 66
Cerebrovascular Accidents	31	42	14 - 48	30	33	11 - 45
Gastrointestinal Catastrophes	1	100	2 - 97	5	100	15 - 71
Infectious Disease	8	38	11 - 72	10	40	17 - 73
Metabolic/Electrolyte Disorders	11	45	7 - 64	22	9	7 - 40
Pulmonary Disease	43	28	17 - 45	53	42	12 - 40
Renal Failure	2	0	3 - 89	2	50	1 - 93
Severe Acute Heart Disease	33	30	20 - 52	38	50	22 - 54
Severe Chronic Heart Disease	33	33	10 - 43	49	20	11 - 35
Severe Trauma	1	0	0 - 99	0	-	-
Gastrointestinal Disease	71	4	0 - 19	88	1	0 - 10
Gynecologic Disease	24	0	0 -100	10	0	0 -100
Low-Risk Heart Disease	74	1	1 - 10	92	10	0 - 21
Musculoskeletal/Skin Conditions	69	0	0 - 12	84	1	0 - 16
Neuropsychiatric/Sensory Disease	17	0	0 - 96	46	2	0 - 37
Urologic Disease	85	2	0 - 18	96	2	0 - 13

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	109
Occupancy Rate (%):	57
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	41
Percent of Physicians Who Are Board Certified Specialists:	78
Interns and Residents:	0
Registered Nurses:	109
Licensed Practical Nurses:	18

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BAPTIST MEDICAL CENTER EASLEY

BMCE

P.O. Box 687
Fleetwood Drive
Easley, South Carolina 29641
(803) 859-6365

October 17, 1988

Mr. Harvey Brooks
HCFA
Health Standard & Quality Bureau
202 Meadow East Building
6325 Security Blvd.
Baltimore, MD 21207

Dear Mr. Brooks:

After reviewing the data sent to us, we are returning our response to you.

Please note that we found the following discrepancies. We ask that you also correct your information.

Yours truly,

Libby

Libby Fowler
Director of Public Relations

Enclosures

cc: Kay Wood
Warren Hammett

LF/pm

BARNWELL REGIONAL HOSP

REYNOLDS RD BOX 588
BARNWELL, SC 29812

Medicare Hospital Provider Number: 420016

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	193	19	8 - 20	299	21	11 - 21
Cancer	7	14	10 - 67	11	64	19 - 72
Cerebrovascular Accidents	8	25	5 - 65	27	37	11 - 48
Gastrointestinal Catastrophes	4	25	1 - 82	2	100	4 - 89
Infectious Disease	4	0	8 - 72	6	67	5 - 73
Metabolic/Electrolyte Disorders	7	14	2 - 66	19	32	8 - 52
Pulmonary Disease	26	38	10 - 48	33	30	15 - 47
Renal Failure	2	100	2 - 89	0	-	-
Severe Acute Heart Disease	6	50	10 - 77	9	56	21 - 79
Severe Chronic Heart Disease	6	17	2 - 71	11	27	4 - 58
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	20	10	0 - 52	18	6	0 - 63
Gynecologic Disease	1	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	15	7	0 - 60	32	3	0 - 33
Musculoskeletal/Skin Conditions	11	9	0 -100	21	14	0 - 64
Neuropsychiatric/Sensory Disease	3	0	0 -100	3	0	0 -100
Urologic Disease	9	22	0 - 91	10	0	0 - 95

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	53
Occupancy Rate (%):	38
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	7
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	19
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BEAUFORT CO MEMORIAL HOSP-

121 S RIBAUT RD
BEAUFORT, SC 29902

Medicare Hospital Provider Number: 420067

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	635	10	9 - 15	755	10	8 - 14
Cancer	9	44	10 - 69	17	47	24 - 69
Cerebrovascular Accidents	18	28	8 - 50	23	35	9 - 49
Gastrointestinal Catastrophes	7	71	8 - 71	4	25	1 - 83
Infectious Disease	15	20	11 - 55	10	30	11 - 66
Metabolic/Electrolyte Disorders	22	27	11 - 51	21	14	8 - 45
Pulmonary Disease	31	13	15 - 42	36	14	13 - 39
Renal Failure	3	33	8 - 90	8	25	11 - 76
Severe Acute Heart Disease	27	33	24 - 60	38	34	22 - 53
Severe Chronic Heart Disease	38	13	10 - 33	29	7	11 - 34
Severe Trauma	1	0	0 -100	0	-	-
Gastrointestinal Disease	44	5	0 - 27	64	2	1 - 12
Gynecologic Disease	5	0	0 -100	14	0	0 -100
Low-Risk Heart Disease	66	2	1 - 11	70	1	1 - 11
Musculoskeletal/Skin Conditions	69	3	0 - 22	75	4	0 - 22
Neuropsychiatric/Sensory Disease	12	17	0 - 93	39	3	0 - 55
Urologic Disease	21	5	0 - 91	38	3	0 - 73

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	88
Occupancy Rate (%):	67
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	39
Percent of Physicians Who Are Board Certified Specialists:	85
Interns and Residents:	0
Registered Nurses:	94
Licensed Practical Nurses:	28

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BRUCE HOSP

121 E CEDAR ST BOX 8500
FLORENCE, SC 29501

Medicare Hospital Provider Number: 420044

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,342	10	8 - 12	1,478	8	8 - 12
Cancer	33	42	24 - 59	45	29	29 - 58
Cerebrovascular Accidents	44	25	16 - 42	42	24	15 - 42
Gastrointestinal Catastrophes	11	55	8 - 64	8	25	9 - 68
Infectious Disease	12	50	21 - 74	12	33	17 - 68
Metabolic/Electrolyte Disorders	23	9	9 - 41	25	8	9 - 39
Pulmonary Disease	67	27	13 - 36	70	23	14 - 36
Renal Failure	5	40	5 - 81	9	11	10 - 69
Severe Acute Heart Disease	37	51	22 - 55	46	48	27 - 56
Severe Chronic Heart Disease	45	33	13 - 41	42	14	15 - 38
Severe Trauma	1	0	0 - 98	2	0	0 - 96
Gastrointestinal Disease	146	1	1 - 6	166	1	1 - 6
Gynecologic Disease	17	0	0 -100	26	0	0 -100
Low-Risk Heart Disease	149	1	1 - 7	162	2	1 - 8
Musculoskeletal/Skin Conditions	108	1	1 - 8	129	1	0 - 7
Neuropsychiatric/Sensory Disease	48	0	0 - 21	56	0	0 - 14
Urologic Disease	116	3	0 - 17	128	1	0 - 10

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 153
Occupancy Rate (%): 80
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 113
Percent of Physicians Who Are Board Certified Specialists: 73
Interns and Residents: 0
Registered Nurses: 152
Licensed Practical Nurses: 20

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: No

BYERLY HOSP

413 E CAROLINA
HARTSVILLE, SC 29550

Medicare Hospital Provider Number: 420010

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	554	12	9 - 15	750	13	8 - 14
Cancer	16	88	30 - 68	18	67	29 - 72
Cerebrovascular Accidents	28	21	11 - 43	29	38	15 - 50
Gastrointestinal Catastrophes	4	25	5 - 80	4	25	3 - 80
Infectious Disease	16	38	11 - 58	23	61	17 - 58
Metabolic/Electrolyte Disorders	6	17	1 - 73	11	27	5 - 60
Pulmonary Disease	29	21	12 - 43	30	30	9 - 43
Renal Failure	1	100	3 - 99	3	33	5 - 88
Severe Acute Heart Disease	24	21	23 - 57	21	29	19 - 58
Severe Chronic Heart Disease	24	21	8 - 42	39	38	10 - 41
Severe Trauma	0	-	-	1	0	0 - 98
Gastrointestinal Disease	46	0	0 - 16	80	4	0 - 17
Gynecologic Disease	2	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	88	1	1 - 9	111	3	1 - 10
Musculoskeletal/Skin Conditions	25	4	0 - 92	46	2	0 - 25
Neuropsychiatric/Sensory Disease	14	0	0 -100	26	8	0 - 98
Urologic Disease	8	0	0 -100	11	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	83
Occupancy Rate (%):	60
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	19
Percent of Physicians Who Are Board Certified Specialists:	74
Interns and Residents:	0
Registered Nurses:	55
Licensed Practical Nurses:	40

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

CANNON MEMORIAL HOSP-

515 PENDLETON ST
PICKENS, SC 29671

Medicare Hospital Provider Number: 420011

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	433	13	8 - 15	462	14	8 - 15
Cancer	3	33	3 - 86	10	60	21 - 76
Cerebrovascular Accidents	13	54	9 - 60	21	33	11 - 51
Gastrointestinal Catastrophes	6	50	11 - 79	3	33	4 - 86
Infectious Disease	2	0	1 - 90	5	20	6 - 74
Metabolic/Electrolyte Disorders	6	33	4 - 73	4	0	1 - 78
Pulmonary Disease	40	27	15 - 45	44	16	15 - 39
Renal Failure	1	0	0 - 97	1	100	2 - 97
Severe Acute Heart Disease	17	53	18 - 63	18	39	15 - 58
Severe Chronic Heart Disease	19	26	5 - 47	19	16	10 - 45
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	27	4	0 - 71	30	7	0 - 57
Gynecologic Disease	3	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	77	4	1 - 14	66	5	0 - 21
Musculoskeletal/Skin Conditions	34	0	1 - 16	40	7	0 - 57
Neuropsychiatric/Sensory Disease	9	11	0 -100	14	7	0 -100
Urologic Disease	26	4	0 - 99	27	0	0 - 42

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	56
Occupancy Rate (%):	48
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	15
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	31
Licensed Practical Nurses:	17

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

CHARLESTON MEMORIAL HOSP

326 CALHOUN ST
CHARLESTON, SC 29401

Medicare Hospital Provider Number: 420006

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	460	10	8 - 15	513	16	8 - 15
Cancer	7	29	10 - 72	12	58	21 - 73
Cerebrovascular Accidents	29	21	11 - 42	17	24	8 - 49
Gastrointestinal Catastrophes	4	25	3 - 80	3	67	5 - 86
Infectious Disease	3	67	3 - 86	8	50	9 - 71
Metabolic/Electrolyte Disorders	21	33	10 - 52	17	24	2 - 52
Pulmonary Disease	27	19	10 - 42	27	33	11 - 47
Renal Failure	0	-	-	5	40	5 - 81
Severe Acute Heart Disease	11	18	19 - 66	13	31	16 - 64
Severe Chronic Heart Disease	36	8	12 - 34	31	10	11 - 35
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	24	0	0 - 25	18	11	0 - 95
Gynecologic Disease	2	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	39	3	0 - 26	30	7	0 - 56
Musculoskeletal/Skin Conditions	19	5	0 - 71	27	4	0 - 71
Neuropsychiatric/Sensory Disease	52	0	0 - 20	71	3	0 - 29
Urologic Disease	16	0	0 -100	33	3	0 - 59

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	141
Occupancy Rate (%):	60
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	233
Percent of Physicians Who Are Board Certified Specialists:	0
Interns and Residents:	0
Registered Nurses:	86
Licensed Practical Nurses:	53

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Charleston Memorial Hospital

326 Calhoun Street • Charleston, South Carolina 29401 • (803) 577-0600

Mr. Lynn W. Beasley
Administrator

October 19, 1988

Ms. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2-D-2
6325 Security Boulevard
Baltimore, MD 21207

Dear Ms. Kappert:

The evaluation of the HCFA mortality study for the Medicare population during the year 1987 has revealed that Charleston Memorial Hospital falls within the predicted range in all categories.

Charleston Memorial Hospital cares for the indigent population of Charleston County. Most of the patients are not seen by a private physician and tend to neglect their health problems and/or do not follow through with prearranged medical care. The majority of the patients have multiple medical problems thus complicating admissions. Non-compliance of medication, diet, treatment, etc., all play a major role in the ultimate outcome of the patient.

There were 104 deaths credited to Charleston Memorial Hospital for 1987. Fifty-two of the deaths occurred during the patient's last admission. Forty-one of the deaths occurred after discharge. Eleven of the deaths occurred in 1988 rather than 1987 when the patient was hospitalized.

Specific conclusions are as follows:

1. Of the 52 deaths that were recorded as occurring after discharge:
   a. 15 (29%) show that the date of death was recorded incorrectly.
   b. 4 (8%) show that the South Carolina Department of Health and Environmental Control (state vital records agency) was unable to locate the death certificate.
   c. 11 (19%) patients died in 1988 as inpatients but the last admission was recorded as 1987.
   d. 23 (44%) were verified and correct.
2. 95.2% of the identified Medicare deaths had comorbid conditions/complications that played a major role in their health status.
3. 37% of the patients were admitted in the terminal stage of the disease process and/or prognosis was poor on admission. Also, this percentage includes those patients and/or family that requested "Do not resuscitate" orders.

A TEACHING HOSPITAL affiliated with THE MEDICAL UNIVERSITY of SOUTH CAROLINA

4. In 27% of the patients, the cause of death as identified by HCFA was not the actual cause of death.

Charleston Memorial Hospital maintains an ongoing quality assurance program. Included in this program is a review of all mortalities that occur while the patient is hospitalized. This is performed to assure quality and appropriateness of patient care delivered at Charleston Memorial Hospital.

Sincerely,

Lynn W Beasley

Lynn W. Beasley
Hospital Administrator

LWB/bl

Attachment

CHESTER CO HOSP

GREAT FALLS RD
CHESTER, SC 29706

Medicare Hospital Provider Number: 420019

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	540	14	9 - 16	623	14	9 - 16
Cancer	11	55	22 - 76	19	68	25 - 67
Cerebrovascular Accidents	30	27	11 - 43	40	35	14 - 44
Gastrointestinal Catastrophes	2	0	2 - 88	3	67	2 - 87
Infectious Disease	11	73	19 - 70	6	33	14 - 80
Metabolic/Electrolyte Disorders	7	14	4 - 65	10	10	7 - 54
Pulmonary Disease	49	31	13 - 40	49	33	15 - 43
Renal Failure	5	80	14 - 84	2	50	2 - 92
Severe Acute Heart Disease	29	34	22 - 57	32	31	24 - 56
Severe Chronic Heart Disease	20	40	9 - 51	29	28	9 - 42
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	33	3	1 - 22	55	0	0 - 11
Gynecologic Disease	7	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	75	1	1 - 10	70	1	1 - 11
Musculoskeletal/Skin Conditions	33	0	0 - 56	76	4	0 - 37
Neuropsychiatric/Sensory Disease	9	0	0 -100	11	0	0 -100
Urologic Disease	32	0	0 - 58	30	7	0 - 65

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	141
Occupancy Rate (%):	72
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	27
Percent of Physicians Who Are Board Certified Specialists:	93
Interns and Residents:	0
Registered Nurses:	44
Licensed Practical Nurses:	31

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

CHESTERFIELD GENERAL HOSP INC

HIGHWAY 9 BOX 151
CHERAW, SC 29520

Medicare Hospital Provider Number: 420062

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	296	18	9 - 19	367	17	8 - 17
Cancer	8	63	18 - 78	13	69	17 - 66
Cerebrovascular Accidents	12	42	11 - 63	19	42	11 - 54
Gastrointestinal Catastrophes	5	20	6 - 75	3	33	3 - 86
Infectious Disease	6	17	7 - 70	6	50	7 - 76
Metabolic/Electrolyte Disorders	8	50	3 - 69	11	27	8 - 61
Pulmonary Disease	24	33	11 - 50	25	44	11 - 51
Renal Failure	2	50	5 - 94	3	67	11 - 94
Severe Acute Heart Disease	13	46	14 - 65	8	63	11 - 71
Severe Chronic Heart Disease	27	22	7 - 40	24	17	10 - 42
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	25	0	0 - 35	26	0	0 - 61
Gynecologic Disease	2	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	17	0	0 - 69	32	9	0 - 66
Musculoskeletal/Skin Conditions	29	7	0 - 48	39	0	0 - 42
Neuropsychiatric/Sensory Disease	3	0	0 -100	10	0	0 - 99
Urologic Disease	13	15	0 - 97	26	0	0 - 51

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1988

Total Beds (#):	72
Ownership/Control:	Private, For Profit

STAFFING

Interns and Residents:	0
Registered Nurses:	32
Licensed Practical Nurses:	12

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	Yes
Hospice Care:	No

Chesterfield
General
Hospital

October 17, 1988

Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2-D-2
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Ms. Sandra Kappert:

The 1987 Mortality Data for Chesterfield General Hospital has been received. This data has been carefully reviewed and found to contain several discrepancies.

In some cases, the patients were listed in the data two or more times with the date of death being greater than thirty days after date of discharge. There also were several patients who had been transferred to another facility prior to expiration, who were listed and accounted for in the mortality data for Chesterfield General Hospital.

The following list is a summary identifying the discrepancies. It would be nice if the mortality statistics were corrected.

Sincerely,

Lance C Labine
Lance C. Labine
Administrator

LCL:ba

P. O. Box 151
Highway No. 9 West
Cheraw, South Carolina 29520
Telephone (803) 537-7881

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INC. The Hospital Company

CLAREDON MEM HOSP

510 S MILL ST
MANNING, SC 29102

Medicare Hospital Provider Number: 420069

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	442	15	10 - 18	463	13	9 - 16
Cancer	4	75	16 - 90	12	67	20 - 71
Cerebrovascular Accidents	33	36	13 - 46	30	23	10 - 42
Gastrointestinal Catastrophes	4	25	6 - 80	2	0	3 - 88
Infectious Disease	16	38	14 - 61	9	56	11 - 70
Metabolic/Electrolyte Disorders	13	23	9 - 57	7	29	3 - 70
Pulmonary Disease	26	27	15 - 50	25	16	10 - 42
Renal Failure	3	33	3 - 87	4	25	6 - 83
Severe Acute Heart Disease	25	24	24 - 58	29	38	23 - 58
Severe Chronic Heart Disease	33	18	8 - 36	19	42	6 - 51
Severe Trauma	1	100	0 - 99	0	-	-
Gastrointestinal Disease	35	3	0 - 43	39	0	0 - 18
Gynecologic Disease	1	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	70	3	1 - 13	63	0	1 - 9
Musculoskeletal/Skin Conditions	28	4	0 - 61	33	0	0 - 27
Neuropsychiatric/Sensory Disease	4	0	0 -100	9	0	0 - 75
Urologic Disease	6	0	0 -100	7	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	56
Occupancy Rate (%):	50
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	10
Percent of Physicians Who Are Board Certified Specialists:	80
Interns and Residents:	0
Registered Nurses:	31
Licensed Practical Nurses:	18

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

COLLETON REGIONAL HOSP-

501 ROBERTSON BOULEVARD
WALTERBORO, SC 29488

Medicare Hospital Provider Number: 420030

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	803	14	10 - 16	847	14	10 - 16
Cancer	21	52	26 - 68	27	63	33 - 71
Cerebrovascular Accidents	41	27	14 - 42	45	40	17 - 46
Gastrointestinal Catastrophes	8	25	7 - 67	7	43	9 - 74
Infectious Disease	6	67	6 - 74	4	50	4 - 82
Metabolic/Electrolyte Disorders	18	6	11 - 44	10	10	5 - 54
Pulmonary Disease	85	22	14 - 35	53	28	13 - 39
Renal Failure	6	33	12 - 82	3	67	2 - 88
Severe Acute Heart Disease	32	53	24 - 58	33	33	22 - 55
Severe Chronic Heart Disease	50	24	14 - 39	64	30	15 - 38
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	57	2	0 - 16	68	1	2 - 11
Gynecologic Disease	3	33	0 -100	6	0	0 -100
Low-Risk Heart Disease	116	3	1 - 9	111	1	1 - 7
Musculoskeletal/Skin Conditions	63	5	0 - 21	71	1	0 - 14
Neuropsychiatric/Sensory Disease	21	0	0 - 66	31	3	0 - 46
Urologic Disease	25	0	0 - 90	19	0	0 - 92

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	135
Occupancy Rate (%):	39
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	20
Percent of Physicians Who Are Board Certified Specialists:	55
Interns and Residents:	0
Registered Nurses:	68
Licensed Practical Nurses:	26

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

COLLETON
REGIONAL
HOSPITAL

October 20, 1988

Health Standards and Quality Bureau, HCFA
Attention: Ms. Sandra Kappert
Meadows East Building, 2-D-2
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Ms. Kappert:

Colleton Regional Hospital appreciates the opportunity to comment on the hospital mortality information. We applaud HCFA's continued efforts to provide helpful information to the public regarding healthcare and appreciate the steps taken to continually refine the methods and numbers. Mortality information by itself certainly does not represent an appropriate measure of the quality of care in individual hospitals and should be only a portion of the information considered in making hospital choices.

The Medicare mortality rates indicated in this comparison were derived from information developed from Medicare billing data and do not necessarily indicate the quality of care. This occurs because the Medicare billing information reflects why the patients were admitted to the hospital and do not necessarily reflect the specific reasons for cause of death. Oftentimes, a patient is admitted in the final stages of their illness and the expected outcome for that patient is poor and may even be death. Also, the information reflected by the Medicare mortality rates are indicative of the older population segment in the country, and it may not have a correlation to the overall mortality rates for each hospital.

In reviewing the 1987 data for the categories listed for Colleton Regional Hospital, there have been improvements or no change in ten of the categories with all of the categories being within the predicted ranges for mortality. This further reinforces Colleton Regional's commitment to quality care and the ongoing review of mortality data with other quality indicators.

501 Robertson Boulevard
Walterboro, South Carolina 29488
Telephone (803) 549-6371

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INC. The Hospital Company

The data continues to present some discrepancies regarding last admissions and dates of death. Also, patients in five categories should have been properly classified into different categories than those appearing on the HCFA release.

Colleton Regional Hospital is committed to providing excellent quality care to each and every patient. That commitment is evident in the quality assurance activities that are ongoing throughout the hospital. The hospital has established quality assurance plans that require the medical staff, all departments within the hospital, administration and board to plan and develop a systematic process for monitoring and evaluating the quality and appropriateness of care for patients. It is through these activities that the quality of care provided at a hospital can be monitored. No one indicator, such as mortality rates, can provide a valid indication of the quality care given at an institution. One must consult their family physician and be familiar with the type of care rendered at each hospital. It is imperative that the public be informed about healthcare matters in order to make valid decisions regarding their well-being. However, the use of mortality rates should not be the only factor considered.

Sincerely,

Charles Mitchener
Administrator

lv

CONWAY HOSP INC

300 SINGLETON RIDGE ROAD
CONWAY, SC 29526

Medicare Hospital Provider Number: 420049

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,070	12	9 - 14	1,153	10	8 - 13
Cancer	27	70	31 - 67	25	48	26 - 65
Cerebrovascular Accidents	52	17	15 - 37	41	32	14 - 44
Gastrointestinal Catastrophes	6	17	5 - 69	4	75	6 - 81
Infectious Disease	4	25	8 - 82	5	20	4 - 74
Metabolic/Electrolyte Disorders	10	20	4 - 59	18	22	10 - 52
Pulmonary Disease	55	20	15 - 38	53	17	14 - 37
Renal Failure	4	100	12 - 80	2	100	2 - 89
Severe Acute Heart Disease	47	43	23 - 52	38	42	22 - 54
Severe Chronic Heart Disease	61	18	12 - 33	53	21	13 - 37
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	67	3	0 - 18	94	3	0 - 13
Gynecologic Disease	21	0	0 -100	25	0	0 -100
Low-Risk Heart Disease	113	4	1 - 12	115	1	1 - 7
Musculoskeletal/Skin Conditions	92	2	0 - 16	114	4	0 - 12
Neuropsychiatric/Sensory Disease	31	6	0 - 71	46	4	0 - 58
Urologic Disease	70	0	0 - 19	49	0	0 - 19

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	172
Occupancy Rate (%):	66
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	52
Percent of Physicians Who Are Board Certified Specialists:	65
Interns and Residents:	0
Registered Nurses:	99
Licensed Practical Nurses:	51

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

DIVINE SAVIOUR HOSP-

111 S CONGRESS ST
YORK, SC 29745

Medicare Hospital Provider Number: 420032

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	253	17	8 - 18	285	18	7 - 17
Cancer	8	50	14 - 75	9	67	13 - 70
Cerebrovascular Accidents	13	31	8 - 57	17	35	12 - 56
Gastrointestinal Catastrophes	1	100	3 - 98	2	0	5 - 89
Infectious Disease	0	-	-	2	0	2 - 88
Metabolic/Electrolyte Disorders	3	33	0 - 95	7	29	0 - 83
Pulmonary Disease	22	36	8 - 49	18	33	7 - 51
Renal Failure	2	50	3 - 93	3	67	3 - 87
Severe Acute Heart Disease	13	62	16 - 65	6	67	13 - 78
Severe Chronic Heart Disease	10	20	3 - 58	11	18	5 - 55
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	12	0	0 - 97	20	15	0 - 86
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	33	6	0 - 46	27	11	0 - 77
Musculoskeletal/Skin Conditions	14	0	0 - 94	20	5	0 - 88
Neuropsychiatric/Sensory Disease	11	9	0 - 99	7	0	0 - 98
Urologic Disease	9	0	0 -100	12	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	102
Occupancy Rate (%):	69
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	6
Percent of Physicians Who Are Board Certified Specialists:	67
Interns and Residents:	0
Registered Nurses:	21
Licensed Practical Nurses:	1

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

EDGEFIELD CO HOSP

BAUSKET ST BOX 590
EDGEFIELD, SC 29824

Medicare Hospital Provider Number: 420075

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	194	11	8 - 18	217	12	8 - 17
Cancer	4	50	4 - 82	0	-	-
Cerebrovascular Accidents	6	0	4 - 57	11	9	10 - 52
Gastrointestinal Catastrophes	2	0	2 - 88	1	100	3 - 99
Infectious Disease	5	60	9 - 80	4	50	2 - 82
Metabolic/Electrolyte Disorders	10	30	7 - 63	19	32	10 - 54
Pulmonary Disease	15	20	8 - 51	14	14	7 - 49
Renal Failure	2	0	5 - 90	1	0	0 - 99
Severe Acute Heart Disease	7	43	14 - 77	6	33	11 - 76
Severe Chronic Heart Disease	10	0	10 - 45	12	58	6 - 60
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	24	8	0 - 93	20	0	0 - 44
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	17	0	0 - 59	19	0	0 - 61
Musculoskeletal/Skin Conditions	14	0	0 - 92	19	0	0 - 52
Neuropsychiatric/Sensory Disease	7	0	0 -100	8	0	0 -100
Urologic Disease	2	0	0 -100	6	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	40
Occupancy Rate (%):	55
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	7
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	16
Licensed Practical Nurses:	3

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

EDWARD A RONDEAU GENERAL HOSP-

8301 FARROW RD
COLUMBIA, SC 29203

Medicare Hospital Provider Number: 420084

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	38	3	0 - 23	54	2	1 - 16
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	0	-	-	0	-	-
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	2	0	1 - 91
Metabolic/Electrolyte Disorders	0	-	-	1	0	0 -100
Pulmonary Disease	3	33	0 - 95	4	25	0 - 95
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	0	-	-
Severe Chronic Heart Disease	1	0	0 -100	0	-	-
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	1	0	0 -100	4	0	0 -100
Gynecologic Disease	0	-	-	2	0	0 -100
Low-Risk Heart Disease	0	-	-	1	0	0 -100
Musculoskeletal/Skin Conditions	8	0	0 -100	12	0	0 -100
Neuropsychiatric/Sensory Disease	1	0	0 -100	7	0	0 -100
Urologic Disease	2	0	0 -100	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	34
Ownership/Control:	State Government

STAFFING

Interns and Residents:	0
Registered Nurses:	8
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ELLIOTT WHITE SPRINGS MEMORIAL HOSP-

800 W MEETING ST
LANCASTER, SC 29720

Medicare Hospital Provider Number: 420036

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	911	14	10 - 15	1,007	15	11 - 17
Cancer	15	53	18 - 66	25	68	27 - 65
Cerebrovascular Accidents	56	29	14 - 39	70	26	17 - 39
Gastrointestinal Catastrophes	7	57	5 - 72	4	50	3 - 82
Infectious Disease	17	53	15 - 62	16	31	13 - 59
Metabolic/Electrolyte Disorders	10	20	5 - 59	11	0	7 - 43
Pulmonary Disease	73	27	15 - 38	102	27	17 - 37
Renal Failure	4	50	4 - 84	13	62	18 - 78
Severe Acute Heart Disease	49	22	22 - 48	58	38	25 - 51
Severe Chronic Heart Disease	71	21	14 - 34	62	18	12 - 33
Severe Trauma	2	50	0 - 95	1	0	1 - 97
Gastrointestinal Disease	84	4	1 - 14	105	3	1 - 10
Gynecologic Disease	7	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	101	3	1 - 10	105	5	1 - 12
Musculoskeletal/Skin Conditions	54	0	0 - 14	42	2	0 - 42
Neuropsychiatric/Sensory Disease	27	4	0 - 63	25	4	0 - 56
Urologic Disease	31	3	0 - 51	38	0	0 - 35

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	235
Occupancy Rate (%):	89
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	33
Percent of Physicians Who Are Board Certified Specialists:	73
Interns and Residents:	0
Registered Nurses:	94
Licensed Practical Nurses:	65

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ENGLISH PARK MEDICAL CENTER

1305 N MAIN ST
MARION, SC 29571

Medicare Hospital Provider Number: 420017

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	166	16	6 - 18	203	22	7 - 20
Cancer	2	50	5 - 93	3	100	12 - 84
Cerebrovascular Accidents	10	60	6 - 63	7	43	5 - 71
Gastrointestinal Catastrophes	0	-	-	1	100	2 - 98
Infectious Disease	0	-	-	1	100	1 - 97
Metabolic/Electrolyte Disorders	11	0	2 - 43	12	17	7 - 55
Pulmonary Disease	14	50	8 - 58	9	56	6 - 66
Renal Failure	1	100	1 - 97	3	100	9 - 85
Severe Acute Heart Disease	4	50	6 - 83	9	89	20 - 67
Severe Chronic Heart Disease	15	20	4 - 49	17	12	6 - 42
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	14	0	0 - 88	14	0	0 - 90
Gynecologic Disease	1	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	17	6	0 - 92	20	0	0 - 53
Musculoskeletal/Skin Conditions	13	0	0 -100	11	0	0 - 99
Neuropsychiatric/Sensory Disease	6	0	0 -100	3	0	0 -100
Urologic Disease	1	0	0 -100	4	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	50
Occupancy Rate (%):	34
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	10
Percent of Physicians Who Are Board Certified Specialists:	80
Interns and Residents:	0
Registered Nurses:	28
Licensed Practical Nurses:	15

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

FAIRFIELD MEMORIAL HOSP-

HIGHWAY 321 BY-PASS
WINNSBORO, SC 29180

Medicare Hospital Provider Number: 420014

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	232	25	9 - 21	257	22	9 - 20
Cancer	5	100	12 - 68	4	75	6 - 80
Cerebrovascular Accidents	11	45	8 - 63	15	33	10 - 56
Gastrointestinal Catastrophes	3	33	3 - 86	1	100	0 - 98
Infectious Disease	5	80	10 - 77	9	78	19 - 73
Metabolic/Electrolyte Disorders	11	55	2 - 65	14	50	4 - 58
Pulmonary Disease	25	36	14 - 51	14	21	6 - 52
Renal Failure	5	60	13 - 87	3	67	8 - 90
Severe Acute Heart Disease	7	43	13 - 76	10	60	21 - 76
Severe Chronic Heart Disease	12	33	5 - 58	15	40	8 - 56
Severe Trauma	1	0	0 - 98	0	-	-
Gastrointestinal Disease	18	0	0 - 48	16	0	0 - 70
Gynecologic Disease	1	0	0 -100	3	33	0 -100
Low-Risk Heart Disease	15	13	0 - 95	32	3	0 - 41
Musculoskeletal/Skin Conditions	14	0	0 - 98	21	5	0 - 83
Neuropsychiatric/Sensory Disease	11	9	0 -100	6	33	0 -100
Urologic Disease	1	0	0 -100	5	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 27
Occupancy Rate (%): 63
Ownership/Control: Local Government

STAFFING

Total Number of Physicians: 13
Percent of Physicians Who Are Board Certified Specialists: 100
Interns and Residents: 0
Registered Nurses: 13
Licensed Practical Nurses: 10

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

FAIRFIELD MEMORIAL HOSPITAL
P. O. BOX 620 ■ WINNSBORO, S. C. 29180 ■ (803) 635-5548

October 19, 1988

Health Standards & Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert

This letter is written in response to Fairfield Memorial Hospital's Mortality Data Report received from the Health Care Finance Administration dated September 15, 1988. Our predicted mortality range was 9-21%; our actual rate was 25%. The rate of mortality for our hospital does not indicate that poor quality care was given to our Medicare patients.

There are circumstances affecting our hospital that elevate our death rate that cannot be factored into the probability equation. The following is our analysis as to why our mortaility rate was outside the predicted range:

> 26 or 44.8% of the 58 deaths charged to Fairfield Memorial Hospital were the results of admissions from a local nursing home. The average time from admission to death for these patients was two (2) days. It should be evident that these patients were admitted to the hospital to satisfy the conscience of the patients' relatives that everything medically possible was being done. This act of compassion is our nature as humans and the practice is not looked upon as wrong by us. These patients were destined to die in a short time regardless of the medical care given by us or anyone else. The 26 patients that we gladly took care of in their last days, with death eminent at the time of admission, have adversely affected our mortality rate.

We request that the above comments be released with our mortality data in December, 1988. We appreciate your cooperation in this delicate matter, which could have a profound impact on our hospital.

Sincerely,

C. B. Chapman
Administrator

FLORENCE GENERAL HOSP-

512 S IRBY ST
FLORENCE, SC 29501

Medicare Hospital Provider Number: 420040

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,127	12	9 - 14	1,259	11	7 - 12
Cancer	34	29	25 - 58	39	44	27 - 60
Cerebrovascular Accidents	58	19	16 - 38	47	40	15 - 44
Gastrointestinal Catastrophes	11	27	14 - 66	8	38	11 - 72
Infectious Disease	25	48	15 - 56	7	43	8 - 73
Metabolic/Electrolyte Disorders	40	30	16 - 49	16	31	7 - 55
Pulmonary Disease	40	22	11 - 39	48	27	12 - 39
Renal Failure	11	45	7 - 70	12	33	13 - 73
Severe Acute Heart Disease	32	56	24 - 59	25	48	21 - 60
Severe Chronic Heart Disease	50	22	12 - 36	36	19	11 - 38
Severe Trauma	0	-	-	1	0	0 - 97
Gastrointestinal Disease	85	4	0 - 14	105	2	0 - 11
Gynecologic Disease	12	0	0 -100	17	0	0 -100
Low-Risk Heart Disease	161	2	1 - 7	135	1	1 - 6
Musculoskeletal/Skin Conditions	62	2	0 - 14	89	3	0 - 15
Neuropsychiatric/Sensory Disease	31	3	0 - 77	27	7	0 - 99
Urologic Disease	81	1	0 - 11	132	2	0 - 11

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	187
Occupancy Rate (%):	41
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	34
Percent of Physicians Who Are Board Certified Specialists:	59
Interns and Residents:	0
Registered Nurses:	68
Licensed Practical Nurses:	52

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

GEORGETOWN CO MEMORIAL HOSP-

606 BLACK RIVER RD
GEORGETOWN, SC 29440

Medicare Hospital Provider Number: 420020

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	993	11	9 - 14	1,085	12	9 - 14
Cancer	22	55	21 - 62	22	55	26 - 68
Cerebrovascular Accidents	63	21	14 - 36	50	48	14 - 43
Gastrointestinal Catastrophes	13	31	18 - 68	7	43	8 - 73
Infectious Disease	18	39	19 - 63	20	20	14 - 53
Metabolic/Electrolyte Disorders	18	22	12 - 54	14	29	5 - 56
Pulmonary Disease	53	17	16 - 39	60	13	15 - 36
Renal Failure	2	0	3 - 89	8	75	17 - 81
Severe Acute Heart Disease	37	54	22 - 55	31	45	21 - 56
Severe Chronic Heart Disease	60	22	11 - 33	66	23	12 - 34
Severe Trauma	1	100	2 - 97	1	0	1 - 97
Gastrointestinal Disease	69	1	0 - 14	95	4	0 - 14
Gynecologic Disease	9	0	0 -100	10	0	0 -100
Low-Risk Heart Disease	138	4	1 - 9	128	2	1 - 7
Musculoskeletal/Skin Conditions	62	0	1 - 9	74	0	0 - 9
Neuropsychiatric/Sensory Disease	18	6	0 - 90	29	10	0 - 74
Urologic Disease	62	0	0 - 23	62	0	0 - 15

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	128
Occupancy Rate (%):	70
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	45
Percent of Physicians Who Are Board Certified Specialists:	76
Interns and Residents:	0
Registered Nurses:	98
Licensed Practical Nurses:	73

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Georgetown
Memorial
Hospital

606 Black River Road
P. O. Drawer 1718
Georgetown, South Carolina 29442

Georgetown: (803) 527-1341
Myrtle Beach: (803) 626-9040

October 19, 1988

Health Standards and Quality Bureau, HCFA (42-0020)
2-D-2 Meadows East Building
6325 Security Blvd.
Baltimore, Maryland 21207
Attn: Mrs. Sandra Kappert

Dear Mrs. Kappert,

This letter is in response to HCFA's September announcement of the upcoming release of the Medicare Hospital Mortality Information (1987) survey. We wish to comment on the data you have gathered about Georgetown Memorial Hospital.

First, we appreciate the acknowledgement in you letter, dated September 15, 1988, that this information is not a complete measure of the quality of care in individual hospitals. We agree with you that this type of data, though potentially useful, should not be used solely to make judgements of quality of care at specific institutions.

Second, we disagree with the inclusion of the severe trauma case in this survey. The inclusion of one (1) case that resulted in a 100% mortality rate for this diagnostic category, when we do not maintain a shock/trauma service and when we were well within the predicted mortality percentage ranges in all other categories, skews our results and is not a statistically significant sample size.

Third, we have reviewed the 1986 AHA Guide used for your initial hospital characteristic data. We note the following discrepancies between what HCFA reported in its September 15, 1988 Mortality Information release and the published 1986 AHA Guide:

(a) Georgetown Memorial Hospital was listed as 132 beds, not 104 beds.
(b) Georgetown Memorial Hospital was listed as having a 78% occupancy rate, not 77%.
(c) Georgetown Memorial Hospital was not credited by AHA as having an organ transplant program, as we did not have one then nor do we have one now.

Mrs. Sandra Kappert

Please ensure that the updated 1987 AHA Guide data for our facility is reported correctly.

As a rural facility serving a diverse population, we are especially concerned with presenting accurate information to our publics. We desire that individuals or organizations accessing this information remain aware that many variables, including age and social environments, contribute to the patient's severity-of-illness and the intensity-of-service necessary to correct such illness or injury.

Thank you for allowing Georgetown Memorial Hospital this opportunity to comment on these items of your survey.

Sincerely,

Paul D. Gatens, Sr.
Administrator

GRAND STRAND GENERAL HOSP

809 82ND PARKWAY BOX 7500
MYRTLE BEACH, SC 29577

Medicare Hospital Provider Number: 420085

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,247	12	10 - 14	1,369	11	9 - 14
Cancer	46	59	31 - 61	51	41	28 - 58
Cerebrovascular Accidents	57	19	17 - 39	64	27	14 - 37
Gastrointestinal Catastrophes	12	25	10 - 60	3	33	5 - 86
Infectious Disease	14	57	11 - 61	13	38	14 - 65
Metabolic/Electrolyte Disorders	16	38	13 - 60	16	19	7 - 51
Pulmonary Disease	50	24	13 - 39	54	13	11 - 33
Renal Failure	3	33	11 - 94	7	14	21 - 85
Severe Acute Heart Disease	63	27	26 - 50	70	43	27 - 51
Severe Chronic Heart Disease	62	13	13 - 32	55	18	11 - 34
Severe Trauma	4	0	5 - 71	1	0	0 - 97
Gastrointestinal Disease	91	0	0 - 7	126	1	1 - 7
Gynecologic Disease	13	0	0 -100	18	0	0 -100
Low-Risk Heart Disease	119	2	1 - 8	140	1	1 - 6
Musculoskeletal/Skin Conditions	115	1	0 - 9	100	2	0 - 14
Neuropsychiatric/Sensory Disease	34	15	1 - 39	38	5	0 - 37
Urologic Disease	85	1	0 - 17	65	2	0 - 16

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	133
Occupancy Rate (%):	66
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	83
Percent of Physicians Who Are Board Certified Specialists:	70
Interns and Residents:	0
Registered Nurses:	131
Licensed Practical Nurses:	36

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

GREENVILLE GENERAL HOSP-

100 MALLARD ST
GREENVILLE, SC 29601

Medicare Hospital Provider Number: 420029

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	24	0	0 - 29	21	0	0 - 44
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	0	-	-	0	-	-
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	0	-	-	0	-	-
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	0	-	-
Severe Chronic Heart Disease	0	-	-	0	-	-
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	0	-	-	0	-	-
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	0	-	-	0	-	-
Musculoskeletal/Skin Conditions	0	-	-	0	-	-
Neuropsychiatric/Sensory Disease	0	-	-	0	-	-
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	89
Occupancy Rate (%):	11
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	0
Registered Nurses:	26
Licensed Practical Nurses:	1

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

GREENVILLE HOSP- CENTER

701 GROVE RD
GREENVILLE, SC 29605

Medicare Hospital Provider Number: 420078

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	4,779	11	9 - 13	5,354	10	8 - 12
Cancer	209	42	29 - 49	220	39	31 - 50
Cerebrovascular Accidents	196	24	18 - 32	225	25	18 - 32
Gastrointestinal Catastrophes	24	21	19 - 55	34	32	21 - 56
Infectious Disease	61	43	19 - 48	64	47	20 - 49
Metabolic/Electrolyte Disorders	62	32	15 - 44	56	23	14 - 42
Pulmonary Disease	180	21	16 - 32	151	28	15 - 33
Renal Failure	28	32	11 - 62	23	35	10 - 65
Severe Acute Heart Disease	257	34	27 - 42	204	31	28 - 44
Severe Chronic Heart Disease	207	23	15 - 29	193	23	14 - 29
Severe Trauma	18	22	7 - 51	7	29	3 - 71
Gastrointestinal Disease	245	2	1 - 6	328	2	1 - 6
Gynecologic Disease	45	0	0 -100	53	0	0 - 35
Low-Risk Heart Disease	677	2	2 - 5	692	4	2 - 6
Musculoskeletal/Skin Conditions	462	3	0 - 5	529	1	1 - 4
Neuropsychiatric/Sensory Disease	128	4	1 - 11	368	2	0 - 6
Urologic Disease	284	2	0 - 7	265	0	0 - 5

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	748
Occupancy Rate (%):	70
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	0
Registered Nurses:	844
Licensed Practical Nurses:	132

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

GREENVILLE HOSPITAL SYSTEM
701 Grove Road
Greenville, South Carolina 29605

October 12, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

As last year, again I welcome the opportunity to comment on the Health Care Financing Administration's 1987 mortality data report of Greenville Memorial Medical Center.

For the second year, I am pleased to review and report that all of GMMC's mortality rates were well within the HCFA predicted ranges. While HCFA has made several revisions in the collecting and categorizing of data in this report, I remain very much concerned about the methodologies used. My concerns include:

1) Mortality rates are categorized according to the patient's reason for admission. Cause or explanation of death is not reflected.

2) Severity of the patient's illness is not taken into consideration. GMMC is a large referral center, designated as a level 3 trauma center, which receives and treats the severest of patient illnesses.

3) Data is reported solely on the eldest and sickest population served, the Medicare population.

4) Differentiation is not made between deaths related to health status and those that are unrelated; i.e., deaths due to automobile accidents.

5) The report is compiled based on billing information rather than the actual medical record, which details the patient's condition and course of treatment rendered.

In addition, HCFA's decision to include a new section in the report which provides hospital characteristic information for background knowledge is not supported. First, the information regarding GMMC is not correct. The number of beds should be corrected to reflect 676 beds and the number of physicians should report 517. These changes then require corrections to the remaining staffing statistics. Secondly, this information, when paired with the mortality data, may be very misleading to the public. The opportunity for relating the hospital characteristic data ~~to~~ the hospital's clinical quality, particularly in regard to the staff-to-bed statistics, is very likely and can result in inaccurate conclusions about quality.

As you acknowledged in your letter of September 15, 1988, which accompanied the 1987 report, "until we have developed statistical measures to deal with complex issues such as severity of illness, we (HCFA) cannot and do not recommend the use of information by itself to make judgments about the quality of care...." It is vital that our public citizens understand that this one report does not provide the means for evaluating the quality of care within hospitals.

HCFA's efforts to focus on and measure quality care is recognized; however, until the methodology is so designed to perfection, this data should not be construed as meaningful information.

GMMC supports HCFA in its endeavor to measure quality of care and looks forward to a perfected reporting methodology which will enable consumers to adequately evaluate health care institutions and practitioners.

Sincerely,

Frank D. Pinckney
Senior Vice President, Acute Services/
Administrator, Greenville Memorial Hosital

Provider # 420078

FDP/sjs

HAMPTON GENERAL HOSP

501 CAROLINA AV W BOX 338
VARNVILLE, SC 29944

Medicare Hospital Provider Number: 420072

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	233	14	7 - 16	297	11	7 - 15
Cancer	4	75	10 - 83	2	50	4 - 92
Cerebrovascular Accidents	9	67	6 - 64	12	17	13 - 58
Gastrointestinal Catastrophes	0	-	-	2	50	2 - 92
Infectious Disease	1	0	0 - 97	1	100	0 - 99
Metabolic/Electrolyte Disorders	6	0	4 - 59	9	44	6 - 67
Pulmonary Disease	11	27	6 - 59	11	9	4 - 49
Renal Failure	2	50	7 - 96	2	100	11 - 97
Severe Acute Heart Disease	12	75	18 - 66	5	80	14 - 80
Severe Chronic Heart Disease	11	9	6 - 49	7	0	8 - 54
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	17	0	0 - 39	31	3	1 - 26
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	34	3	0 - 30	40	7	1 - 27
Musculoskeletal/Skin Conditions	18	0	0 - 93	27	4	0 - 84
Neuropsychiatric/Sensory Disease	10	0	0 - 66	16	6	0 - 91
Urologic Disease	2	0	0 -100	3	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 112
Occupancy Rate (%): 53
Ownership/Control: Local Government

STAFFING

Total Number of Physicians: 6
Percent of Physicians Who Are Board Certified Specialists: 17
Interns and Residents: 0
Registered Nurses: 10
Licensed Practical Nurses: 10

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

HCA AIKEN REGIONAL MEDICAL CENTERS

202 UNIVERSITY PARKWAY
AIKEN, SC 29801

Medicare Hospital Provider Number: 420082

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,303	14	11 - 16	1,663	12	10 - 15
Cancer	41	61	28 - 60	57	60	35 - 63
Cerebrovascular Accidents	82	28	18 - 38	81	26	17 - 38
Gastrointestinal Catastrophes	17	24	16 - 59	10	60	15 - 71
Infectious Disease	39	36	21 - 54	40	30	18 - 50
Metabolic/Electrolyte Disorders	44	23	10 - 41	50	22	9 - 38
Pulmonary Disease	69	23	15 - 37	87	16	12 - 32
Renal Failure	16	56	12 - 69	8	63	9 - 76
Severe Acute Heart Disease	72	26	28 - 50	75	37	28 - 52
Severe Chronic Heart Disease	62	24	11 - 33	83	16	14 - 32
Severe Trauma	1	0	1 - 97	4	0	4 - 72
Gastrointestinal Disease	94	0	1 - 7	136	4	1 - 10
Gynecologic Disease	13	0	0 -100	21	0	0 -100
Low-Risk Heart Disease	136	4	1 - 9	159	1	1 - 6
Musculoskeletal/Skin Conditions	109	1	1 - 8	136	3	0 - 10
Neuropsychiatric/Sensory Disease	33	0	0 - 29	67	1	0 - 14
Urologic Disease	56	2	0 - 39	88	1	0 - 19

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	190
Occupancy Rate (%):	54
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	57
Percent of Physicians Who Are Board Certified Specialists:	68
Interns and Residents:	0
Registered Nurses:	107
Licensed Practical Nurses:	62

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HCA Aiken Regional
Medical Centers

Medicare Provider #42-0082

October 21, 1988

Mr. William Roper, Administrator
Health Standards and Quality Bureau, HCFA
2-E-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Re: Comments to Medicare Hospital Mortality Information (1987)

Dear Mr. Roper:

HCA Aiken Regional Medical Centers supports the Health Care Finance Administration's (HCFA) intent to begin to develop measurements of quality for hospitals. However, the statistical model developed by HCFA measures the relationships between a very limited number of patient characteristics and death. It does not include all patient characteristics, nor does it take into account other considerations specific to a given hospital and its community.

The model does provide accurate and reliable estimates of the relationship between the five characteristics included in the model -- i.e., age, sex, comorbidity, transfers and prior admissions -- and the risk of death. Whether these are the most significant factors influencing the risk of death are unknown. The limited ability of these factors to explain differences in mortality rates between individual hospitals suggest that other, as yet unmeasured, key factors may be involved.

Factors that influence the risk of death and that the model fails to take into account include:

Severity
Educational level/income
Occupation and living environment
Lifestyle considerations
Admitting practices
Number of admissions
Chance

The HCFA data deals only with mortality rates, and mortality rates by themselves do not measure quality. HCFA itself stresses that the information in its report is not meant to be a measure of the quality of care at an individual hospital.

This sort of statistical analysis, given its inherent limitations, can do no more than help a hospital identify potential areas for further evaluation. Such data cannot be used directly as a measure of hospital performance -- nor should it be.

Because HCA Aiken Regional Medical Centers exceeded the predicted mortality range for cancer diagnoses, all Medicare deaths in this category were carefully evaluated. We found that in all cases these patients were in the later stages of their illness when admitted to the hospital. Therefore their chances of survival were very minimal. Most patients were readmitted to the hospital because they had no family or because family members were no longer able to manage their care at home. The shortage of nursing home beds in Aiken County and the lack of a Hospice Program increases hospital utilization for terminal cancer patients at HCA Aiken.

Once again, HCA Aiken Regional Medical Centers supports any and all efforts to assure the highest quality of medical care for all patients. However, a single statistical study of patient mortality should in no way be used to measure the performance of any hospital, nor to compare its care with that given by others. The HCFA Mortality Study will be utilized in the hospital's ongoing quality assurance efforts.

Sincerely,

Mickey Smith/acw

Mickey Smith
Administrator

/acw

HILLCREST HOSP

S LAURENS RD PO BOX 98
SIMPSONVILLE, SC 29681

Medicare Hospital Provider Number: 420037

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	350	11	7 - 15	367	16	8 - 16
Cancer	12	58	15 - 68	7	86	24 - 79
Cerebrovascular Accidents	12	17	8 - 53	15	33	10 - 56
Gastrointestinal Catastrophes	3	33	4 - 86	2	50	4 - 92
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	4	25	0 - 91	6	17	2 - 71
Pulmonary Disease	20	25	10 - 49	25	36	11 - 49
Renal Failure	1	100	1 - 97	2	100	9 - 94
Severe Acute Heart Disease	16	19	19 - 59	20	50	26 - 68
Severe Chronic Heart Disease	19	32	7 - 49	23	39	9 - 49
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	45	0	0 - 17	51	0	0 - 13
Gynecologic Disease	3	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	47	9	0 - 47	47	9	0 - 42
Musculoskeletal/Skin Conditions	24	4	0 - 42	19	0	0 - 99
Neuropsychiatric/Sensory Disease	3	0	0 -100	9	11	0 -100
Urologic Disease	16	0	0 - 62	8	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	56
Occupancy Rate (%):	43
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	28
Percent of Physicians Who Are Board Certified Specialists:	61
Interns and Residents:	0
Registered Nurses:	47
Licensed Practical Nurses:	3

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HILTON HEAD HOSP

BILL FRIES DR BOX 1117
HILTON HEAD ISLAND, SC 29928

Medicare Hospital Provider Number: 420080

Diagnostic Category	**Calender Year 1987**			**Calender Year 1986**		
	Cases	**Actual Mortality Rate (%)**	**Range For Predicted Mortality (%)**	**Cases**	**Actual Mortality Rate (%)**	**Range For Predicted Mortality (%)**
All Cases	537	9	8 - 14	693	8	7 - 12
Cancer	26	31	24 - 60	18	50	24 - 69
Cerebrovascular Accidents	18	17	13 - 49	26	19	10 - 42
Gastrointestinal Catastrophes	5	60	9 - 80	8	38	10 - 71
Infectious Disease	10	30	10 - 65	9	33	11 - 69
Metabolic/Electrolyte Disorders	7	43	4 - 71	4	0	1 - 76
Pulmonary Disease	24	0	10 - 29	38	18	8 - 36
Renal Failure	0	-	-	2	0	5 - 90
Severe Acute Heart Disease	13	31	15 - 63	20	25	19 - 57
Severe Chronic Heart Disease	25	8	10 - 36	24	33	11 - 49
Severe Trauma	1	0	0 - 98	1	0	0 - 98
Gastrointestinal Disease	46	0	0 - 15	71	1	0 - 17
Gynecologic Disease	6	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	63	0	1 - 8	65	0	1 - 8
Musculoskeletal/Skin Conditions	51	0	0 - 17	80	2	0 - 25
Neuropsychiatric/Sensory Disease	24	0	0 - 50	29	0	0 - 35
Urologic Disease	36	0	0 - 96	54	2	0 - 85

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	64
Occupancy Rate (%):	52
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	29
Percent of Physicians Who Are Board Certified Specialists:	93
Interns and Residents:	0
Registered Nurses:	56
Licensed Practical Nurses:	10

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

KERSHAW CO MEMORIAL HOSP-

1315 ROBERTS ST
CAMDEN, SC 29020

Medicare Hospital Provider Number: 420048

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	784	11	8 - 13	849	11	8 - 14
Cancer	13	54	25 - 76	26	65	31 - 69
Cerebrovascular Accidents	37	22	11 - 39	41	27	16 - 44
Gastrointestinal Catastrophes	6	50	4 - 75	6	83	14 - 76
Infectious Disease	9	33	10 - 68	3	33	2 - 86
Metabolic/Electrolyte Disorders	16	19	5 - 50	15	27	2 - 56
Pulmonary Disease	37	19	12 - 40	42	14	12 - 37
Renal Failure	2	0	2 - 89	2	50	2 - 93
Severe Acute Heart Disease	32	47	18 - 52	35	37	20 - 52
Severe Chronic Heart Disease	57	16	12 - 33	53	13	11 - 32
Severe Trauma	0	-	-	1	0	0 - 99
Gastrointestinal Disease	77	1	1 - 10	93	2	1 - 11
Gynecologic Disease	7	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	92	3	1 - 11	86	5	0 - 15
Musculoskeletal/Skin Conditions	63	0	0 - 12	64	2	0 - 24
Neuropsychiatric/Sensory Disease	23	0	0 - 92	31	0	0 - 42
Urologic Disease	39	3	0 - 92	46	2	0 - 78

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 183
Occupancy Rate (%): 80
Ownership/Control: Local Government

STAFFING

Total Number of Physicians: 31
Percent of Physicians Who Are Board Certified Specialists: 68
Interns and Residents: 0
Registered Nurses: 55
Licensed Practical Nurses: 40

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

LAURENS DISTRICT HOSP

420 FARLEY AVE
LAURENS, SC 29360

Medicare Hospital Provider Number: 420003

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	475	15	8 - 15	425	16	7 - 15
Cancer	13	54	18 - 69	11	91	23 - 65
Cerebrovascular Accidents	34	24	13 - 42	23	35	12 - 51
Gastrointestinal Catastrophes	4	50	6 - 83	1	100	2 - 97
Infectious Disease	4	0	4 - 71	3	33	3 - 86
Metabolic/Electrolyte Disorders	6	33	4 - 73	6	0	2 - 62
Pulmonary Disease	32	31	8 - 42	19	32	10 - 52
Renal Failure	0	-	-	2	100	3 - 89
Severe Acute Heart Disease	18	39	15 - 59	16	13	22 - 58
Severe Chronic Heart Disease	25	20	8 - 42	23	26	7 - 45
Severe Trauma	2	50	3 - 92	0	-	-
Gastrointestinal Disease	45	7	0 - 30	47	2	0 - 22
Gynecologic Disease	3	0	0 -100	0	-	-
Low-Risk Heart Disease	51	4	0 - 21	55	5	0 - 27
Musculoskeletal/Skin Conditions	52	0	0 - 14	41	7	0 - 48
Neuropsychiatric/Sensory Disease	20	10	0 - 99	29	7	0 - 97
Urologic Disease	5	0	0 -100	6	17	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	47
Occupancy Rate (%):	66
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	15
Percent of Physicians Who Are Board Certified Specialists:	93
Interns and Residents:	0
Registered Nurses:	30
Licensed Practical Nurses:	25

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

LEE CO MEMORIAL HOSP-

800 W CHURCH ST
BISHOPVILLE, SC 29010

Medicare Hospital Provider Number: 420028

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	132	16	9 - 22	162	16	9 - 21
Cancer	5	60	10 - 81	3	100	19 - 91
Cerebrovascular Accidents	7	14	5 - 63	6	67	6 - 73
Gastrointestinal Catastrophes	1	0	0 - 98	1	0	0 -100
Infectious Disease	3	0	13 - 85	3	0	6 - 80
Metabolic/Electrolyte Disorders	2	0	0 - 93	6	0	10 - 62
Pulmonary Disease	18	28	9 - 51	27	30	12 - 47
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	6	50	13 - 80	4	100	13 - 76
Severe Chronic Heart Disease	4	50	4 - 82	8	38	5 - 67
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	10	20	0 -100	7	0	0 -100
Gynecologic Disease	0	-	-	2	0	0 -100
Low-Risk Heart Disease	19	0	0 - 48	26	0	0 - 24
Musculoskeletal/Skin Conditions	6	0	0 -100	7	0	0 -100
Neuropsychiatric/Sensory Disease	4	0	0 -100	5	0	0 -100
Urologic Disease	4	0	0 - 96	3	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	35
Occupancy Rate (%):	49
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	4
Percent of Physicians Who Are Board Certified Specialists:	50
Interns and Residents:	0
Registered Nurses:	15
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

LEXINGTON MEDICAL CENTER

2720 SUNSET BLVD
WEST COLUMBIA, SC 29169

Medicare Hospital Provider Number: 420073

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,227	11	8 - 12	2,413	11	7 - 12
Cancer	75	51	27 - 53	79	48	27 - 53
Cerebrovascular Accidents	89	28	16 - 37	102	27	15 - 34
Gastrointestinal Catastrophes	16	13	14 - 53	24	4	19 - 46
Infectious Disease	32	28	16 - 50	44	32	16 - 47
Metabolic/Electrolyte Disorders	29	24	8 - 45	43	19	6 - 37
Pulmonary Disease	140	22	14 - 31	134	25	14 - 32
Renal Failure	11	27	9 - 70	5	0	11 - 74
Severe Acute Heart Disease	73	42	24 - 49	61	51	25 - 51
Severe Chronic Heart Disease	116	19	13 - 29	102	25	12 - 30
Severe Trauma	2	0	1 - 90	2	0	1 - 90
Gastrointestinal Disease	220	4	0 - 8	219	1	1 - 6
Gynecologic Disease	38	0	0 -100	20	0	0 -100
Low-Risk Heart Disease	240	5	1 - 8	241	4	1 - 8
Musculoskeletal/Skin Conditions	148	1	0 - 6	203	1	0 - 6
Neuropsychiatric/Sensory Disease	59	2	0 - 18	91	1	0 - 12
Urologic Disease	125	1	0 - 15	129	1	0 - 10

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	240
Occupancy Rate (%):	80
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	165
Percent of Physicians Who Are Board Certified Specialists:	79
Interns and Residents:	0
Registered Nurses:	271
Licensed Practical Nurses:	87

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

LEXINGTON
MEDICAL CENTER

2720 Sunset Boulevard
West Columbia, SC 29169
803-791-2000

October 21, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Re: Hospital Mortality Information

Dear Mrs. Kappert:

As we indicated last year, Lexington Medical Center is concerned with the Health Care Financing Administration's release of mortality data. We believe persons analyzing this data are likely to interpret it incorrectly for several reasons.

First, data on Medicare patients is not representative of data on all patients. Largely due to the aging process, elderly patients traditionally have more illnesses, more complications, more social factors with adverse impacts, and a lower life expectancy - all of which would be expected to lead to higher mortality rates for that group of people.

Second, this release of data does not indicate the severity of the illnesses treated by each hospital or the physicians' expectation of patient outcomes. As a patient passes through various stages of an illness, his physician's expectation will vary, thus requiring modification of treatment protocals. Hospital admissions during later stages of an illness could be intended to merely ease patient suffering and not expected to improve the ultimate outcome. Without knowing how ill patients are, it is impossible to determine if a certain mortality rate is appropriate or not.

Third, mortality rates are not a valid measure of the quality of care received by patients. We have a very extensive and proactive quality assurance program, one aspect of which is a careful review of every patient death. But we also evaluate many other patient outcomes. A single indicator is never able to accurately portray the variety and interrelationship of factors that comprise quality.

In addition to our concerns with the possible misinterpretation of this data, we can not endorse the accuracy of the data presented. Many components of the formula are not available, such as deaths occurring after discharge, and subsequent admissions to another hospital. Verification of the calculation of a range of predicted mortality is not possible by any hospital.

We are also cautious of the data reported under "Hospital Characteristics." We believe this specific data should not be released in its present form, due to several accuracy problems we have noted. The number of beds does not include the beds we reported for our obstetric, gynecology, pediatric, intensive care, and progressive care areas. The percent of physicians who are board certified specialists is greatly understated for unknown reasons.

We are greatly concerned with the data reported as "Registered Nurses per bed" and "Licensed Practical Nurses per bed." Our research indicates the figures were calculated as the number of full-time nurses plus one-half of the number of part-time nurses, divided by the number of medical and surgical beds reported in the Joint Annual Report. Again, you have reported only the number of medical and surgical beds staffed and in use on the first day of our fiscal year. In fact, we staffed and used varying numbers of beds during the year, due to seasonal fluctuations in patient census, changes in the number of nurses available to care for patients in those beds, and a wide array of other factors. We are sensitive to the flexibility of patients' needs, and we make every effort to efficiently accomodate those needs.

Second, the instructions to the Joint Annual Report specifically state that we should exclude persons used from our resource pool. We maintain a registry of nurses that have requested irregular schedules, and have found it very beneficial. These resource employees allow us great flexibility while maintaining our efficiency in scheduling only the number of employees we expect will be needed to care for the patients we have. Yet the data you have used does not reflect our extensive utilization of these nurses.

Third, the number of RNs and LPNs you appear to have used includes some nurses that do not provide care in the patients' rooms, such as those in the Emergency Room, Operating Room, Recovery Room, and Labor and Delivery areas. These services are not related solely to inpatient care, and are not directly proportionate to patient days. Inclusion of these employees in a ratio of persons to inpatient beds causes distortion to the actual experience of inpatient care.

Fourth, our staffing is relevant to the ratio of patients to whom we provide intensive versus non-intensive care. Patients that need a higher ratio of intensive care may require more employees, or a greater number of employees that have a lower level of training. Likewise, patients needing a lower ratio of intensive care may require less employees, or the same number of employees with varying levels of training. Your information provides no indication of the mixture of intensive versus non-intensive acute care, which could explain varying ratios of "persons per bed."

Fifth and most importantly, we provide the nursing staff to meet our patients' needs on a daily basis. Our patients' needs vary significantly from day to day in terms of the intensity of care they require. We monitor their needs constantly, and project the level of staffing we anticipate. And we adjust the actual staffing at least three times each day to meet the actual needs of the patients we have inhouse. It is not clear what you wish to show by this statistic, but we do not believe its publication will provide any relevant information.

Lexington Medical Center is committed to providing quailty health care for our patients and we support the efforts of health care professionals to develop appropriate comprehensive methods of evaluating patient outcomes.

Sincerely,

LEXINGTON MEDICAL CENTER

Kenneth A. Shull
Chief Executive Officer

KAS/jmb

LIVE OAKS HOSP

HWY 278 P O DRAWER 400
RIDGELAND, SC 29936

Medicare Hospital Provider Number: 420074

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	197	13	10 - 20	195	21	10 - 23
Cancer	3	67	10 - 91	3	67	6 - 87
Cerebrovascular Accidents	5	40	5 - 77	12	50	7 - 61
Gastrointestinal Catastrophes	0	-	-	2	100	0 - 93
Infectious Disease	1	0	0 - 98	0	-	-
Metabolic/Electrolyte Disorders	14	14	5 - 50	11	9	15 - 58
Pulmonary Disease	26	23	16 - 50	18	33	13 - 56
Renal Failure	3	67	11 - 93	0	-	-
Severe Acute Heart Disease	8	38	16 - 75	9	44	17 - 75
Severe Chronic Heart Disease	13	8	7 - 45	22	32	10 - 49
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	13	8	0 - 99	14	0	0 - 90
Gynecologic Disease	1	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	34	3	0 - 30	20	5	0 - 43
Musculoskeletal/Skin Conditions	8	13	0 -100	11	0	0 - 96
Neuropsychiatric/Sensory Disease	4	0	0 -100	3	0	0 -100
Urologic Disease	1	0	0 -100	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	31
Occupancy Rate (%):	52
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	22
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	12
Licensed Practical Nurses:	11

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

LORIS COMMUNITY HOSP-

3655 MITCHELL ST
LORIS, SC 29569

Medicare Hospital Provider Number: 420064

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	642	13	10 - 16	703	13	10 - 16
Cancer	16	63	28 - 74	15	73	30 - 75
Cerebrovascular Accidents	27	15	13 - 42	30	27	13 - 45
Gastrointestinal Catastrophes	4	25	5 - 80	5	40	8 - 80
Infectious Disease	7	29	10 - 72	10	30	12 - 66
Metabolic/Electrolyte Disorders	9	11	14 - 63	10	10	11 - 57
Pulmonary Disease	46	33	16 - 45	55	22	17 - 41
Renal Failure	3	0	4 - 81	6	33	10 - 81
Severe Acute Heart Disease	39	49	25 - 57	35	43	23 - 56
Severe Chronic Heart Disease	41	27	10 - 38	33	33	11 - 43
Severe Trauma	0	-	-	1	0	0 -100
Gastrointestinal Disease	64	0	0 - 9	69	4	1 - 15
Gynecologic Disease	3	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	145	1	2 - 7	120	0	2 - 5
Musculoskeletal/Skin Conditions	42	0	0 - 18	42	0	0 - 16
Neuropsychiatric/Sensory Disease	11	0	0 - 88	10	0	0 -100
Urologic Disease	17	12	0 - 83	21	5	0 - 84

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 116
Occupancy Rate (%): 72
Ownership/Control: District/Authority

STAFFING

Total Number of Physicians: 17
Percent of Physicians Who Are Board Certified Specialists: 76
Interns and Residents: 0
Registered Nurses: 56
Licensed Practical Nurses: 28

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

LOWER FLORENCE CO HOSP-

PO BOX 1035
LAKE CITY, SC 29560

Medicare Hospital Provider Number: 420066

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	279	10	7 - 15	354	14	9 - 17
Cancer	3	67	12 - 93	7	57	19 - 82
Cerebrovascular Accidents	17	29	8 - 52	19	26	13 - 53
Gastrointestinal Catastrophes	0	-	-	1	0	2 - 97
Infectious Disease	5	20	4 - 74	11	18	9 - 58
Metabolic/Electrolyte Disorders	4	0	2 - 74	13	31	7 - 59
Pulmonary Disease	10	30	5 - 61	15	13	7 - 47
Renal Failure	3	67	10 - 92	2	50	7 - 96
Severe Acute Heart Disease	7	14	18 - 74	13	69	14 - 63
Severe Chronic Heart Disease	22	14	10 - 41	29	45	13 - 49
Severe Trauma	1	0	0 - 99	0	-	-
Gastrointestinal Disease	16	6	0 - 81	24	0	0 - 65
Gynecologic Disease	0	-	-	2	0	0 -100
Low-Risk Heart Disease	54	4	0 - 25	55	2	1 - 15
Musculoskeletal/Skin Conditions	22	0	0 - 81	25	0	0 - 71
Neuropsychiatric/Sensory Disease	10	0	0 -100	9	11	0 -100
Urologic Disease	5	0	0 -100	7	14	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	48
Occupancy Rate (%):	50
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	7
Percent of Physicians Who Are Board Certified Specialists:	57
Interns and Residents:	0
Registered Nurses:	17
Licensed Practical Nurses:	12

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

LOWER FLORENCE COUNTY HOSPITAL

P. O. Box 1035 Lake City, South Carolina 29560 Phone (803) 394-2036

October 19, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Re: Medicare Hospital Mortality Information
Hospital ID: 420066

Dear Ms. Kappert:

Of the 28 patients who expired while an inpatient, or within 30 days post discharge, 12 were admitted for terminal care with a "Do Not Resuscitate" order at the time of admission. Death was the expected outcome because of the patients' medical condition.

One of the remaining deaths occurred at a tentiary care center in our area after transfer from this hospital for cardiac care services. This death should have been reported on this hospital's mortality data sheet.

A breakdown by age of the 28 deaths reveals: age 60-69, 2 patients, age 70-79, 11 patients, age 80-89, 10 patients, and age greater than 90 5 patients.

All of us would like to live forever. Perhaps your "mortality" rating should at least be renamed to consider the aging process. I feel this misrepresentation to the public is counterproductive to HCFA's relationship with hospitals. Hospitals which pride themselves on helping the aged through acute and chronic ill health. Consider putting your energies and resources into adequate payment of services for those who often are economically and socially disadvantaged.

Respectfully,

Richard L. Gamber

Richard L. Gamber
Administrator

CC: Honorable J. Strom Thurmond
Honorable Ernest F. Hollings
Honorable Robin Tallon
Karen Reeves, SCHA

MARION MEMORIAL HOSPITAL

1108 N MAIN BOX 1150
MARION, SC 29571

Medicare Hospital Provider Number: 420055

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	517	15	9 - 16	561	11	8 - 14
Cancer	8	63	17 - 77	10	50	27 - 83
Cerebrovascular Accidents	23	39	11 - 50	23	35	10 - 49
Gastrointestinal Catastrophes	3	33	4 - 86	2	0	0 - 96
Infectious Disease	7	29	7 - 70	5	40	13 - 84
Metabolic/Electrolyte Disorders	11	27	3 - 60	17	12	5 - 45
Pulmonary Disease	37	22	14 - 43	30	17	7 - 37
Renal Failure	3	33	12 - 95	2	50	4 - 94
Severe Acute Heart Disease	24	58	22 - 60	21	33	21 - 60
Severe Chronic Heart Disease	45	29	10 - 37	37	16	11 - 37
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	44	7	0 - 27	43	2	0 - 22
Gynecologic Disease	13	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	81	4	1 - 13	75	1	1 - 10
Musculoskeletal/Skin Conditions	47	0	1 - 12	61	5	0 - 33
Neuropsychiatric/Sensory Disease	11	0	0 - 93	7	0	0 -100
Urologic Disease	8	0	0 -100	14	0	0 - 94

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	63
Occupancy Rate (%):	60
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	12
Percent of Physicians Who Are Board Certified Specialists:	75
Interns and Residents:	0
Registered Nurses:	41
Licensed Practical Nurses:	34

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MARLBORO PARK HOSP

ROUTE 4 BOX 6
BENNETTSVILLE, SC 29512

Medicare Hospital Provider Number: 420054

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	517	15	11 - 18	575	11	11 - 17
Cancer	11	64	30 - 83	15	60	24 - 72
Cerebrovascular Accidents	51	25	15 - 40	31	23	14 - 44
Gastrointestinal Catastrophes	5	40	1 - 81	9	67	14 - 71
Infectious Disease	8	13	14 - 66	6	50	11 - 79
Metabolic/Electrolyte Disorders	8	0	3 - 50	11	18	7 - 57
Pulmonary Disease	31	23	13 - 44	41	10	16 - 39
Renal Failure	2	50	2 - 92	4	75	16 - 93
Severe Acute Heart Disease	33	39	22 - 56	22	36	22 - 61
Severe Chronic Heart Disease	40	22	12 - 39	44	16	14 - 37
Severe Trauma	1	0	0 - 98	0	-	-
Gastrointestinal Disease	41	2	1 - 19	41	2	0 - 24
Gynecologic Disease	2	0	0 -100	0	-	-
Low-Risk Heart Disease	69	3	2 - 13	82	1	2 - 9
Musculoskeletal/Skin Conditions	42	5	0 - 44	56	0	0 - 13
Neuropsychiatric/Sensory Disease	13	0	0 - 54	14	0	0 - 75
Urologic Disease	17	0	0 - 93	17	0	0 - 87

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 111
Occupancy Rate (%): 23
Ownership/Control: Private, For Profit

STAFFING

Total Number of Physicians: 23
Percent of Physicians Who Are Board Certified Specialists: 57
Interns and Residents: 0
Registered Nurses: 50
Licensed Practical Nurses: 28

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: No

MARLBORO
PARK
HOSPITAL

October 6, 1988

Health Standards and
Quality Bureau
HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

In reviewing the Hospital Characteristics section of the report entitled, "Medicare Hospital Mortality Information", we have noticed several errors. These have been corrected on the attached copy of that report. Thank you for making these corrections.

Sincerely,

Norman G. Rentz
Administrator

Attachment

NGR:hh

P.O. 738
Bennettsville, South Carolina 29512
Telephone (803) 479-2881
(803) 479-3981

An Affiliate of
HEALTHTRUST
INC. The Hospital Company

MARY BLACK MEMORIAL HOSP-

1700 SKYLYN DR BOX 3217
SPARTANBURG, SC 29304

Medicare Hospital Provider Number: 420083

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,207	9	8 - 13	1,496	8	7 - 12
Cancer	46	57	30 - 61	48	31	27 - 56
Cerebrovascular Accidents	47	21	15 - 40	29	31	17 - 51
Gastrointestinal Catastrophes	8	25	12 - 70	15	47	12 - 62
Infectious Disease	10	30	15 - 69	24	29	19 - 57
Metabolic/Electrolyte Disorders	6	17	5 - 69	9	22	3 - 63
Pulmonary Disease	46	33	11 - 40	56	21	15 - 39
Renal Failure	5	0	4 - 70	7	29	9 - 77
Severe Acute Heart Disease	27	22	23 - 55	29	52	19 - 55
Severe Chronic Heart Disease	61	18	14 - 35	60	27	10 - 34
Severe Trauma	1	100	1 - 97	2	50	4 - 93
Gastrointestinal Disease	127	2	1 - 9	154	1	1 - 6
Gynecologic Disease	20	0	0 -100	18	0	0 -100
Low-Risk Heart Disease	115	2	1 - 8	139	0	2 - 5
Musculoskeletal/Skin Conditions	152	3	0 - 9	164	1	0 - 6
Neuropsychiatric/Sensory Disease	54	4	0 - 26	111	3	0 - 15
Urologic Disease	67	0	0 - 15	94	3	0 - 42

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	169
Occupancy Rate (%):	65
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	226
Percent of Physicians Who Are Board Certified Specialists:	90
Interns and Residents:	0
Registered Nurses:	170
Licensed Practical Nurses:	46

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MCLEOD REGIONAL MEDICAL CTR PEE DEE

555 E CHEVES ST BOX 8700
FLORENCE, SC 29501

Medicare Hospital Provider Number: 420051

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,325	14	10 - 14	2,343	12	9 - 13
Cancer	77	49	31 - 57	72	44	33 - 59
Cerebrovascular Accidents	101	32	18 - 38	105	25	17 - 36
Gastrointestinal Catastrophes	24	42	15 - 56	19	68	15 - 59
Infectious Disease	18	56	21 - 66	15	47	12 - 62
Metabolic/Electrolyte Disorders	36	25	9 - 43	30	23	12 - 47
Pulmonary Disease	75	36	15 - 39	78	19	13 - 34
Renal Failure	22	55	12 - 66	16	38	11 - 69
Severe Acute Heart Disease	132	39	26 - 46	80	41	27 - 50
Severe Chronic Heart Disease	102	23	16 - 33	92	22	15 - 34
Severe Trauma	12	17	7 - 56	11	36	8 - 64
Gastrointestinal Disease	100	11	1 - 19	104	5	0 - 15
Gynecologic Disease	11	0	0 -100	16	0	0 -100
Low-Risk Heart Disease	376	4	2 - 6	257	4	2 - 7
Musculoskeletal/Skin Conditions	262	3	0 - 8	314	1	0 - 5
Neuropsychiatric/Sensory Disease	140	3	0 - 10	208	2	0 - 9
Urologic Disease	63	6	0 - 51	57	2	0 - 41

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	321
Occupancy Rate (%):	84
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	140
Percent of Physicians Who Are Board Certified Specialists:	73
Interns and Residents:	19
Registered Nurses:	412
Licensed Practical Nurses:	68

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

McLeod
REGIONAL MEDICAL CENTER
The Choice For Medical Excellence.
555 East Cheves Street · PO Box F-8700 · Florence, SC 29501

October 19, 1988

TO: Health Standards & Quality Bureau
HCFA
Attention: Mrs. Sandra Kappert
2-D 2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

The following are the comments on the HCFA mortality data as submitted by HCFA to the McLeod Regional Medical Center of the Pee Dee, Florence, S. C. 29501:

The center has reviewed in detail the HCFA mortality data. We did not note any significant discrepancies on which to comment except for the hospital characteristics.

In regards to our recalculated data for 1986 the slightly elevated mortality rate that you had noted for gastrointestinal catastrophes was commented on last year. We found our subset of patients to be in specific ICD-9-CM codes that would have been expected to have an extraordinarily high risk of death expressed as either patients who were expected to die when they were admitted or where there was a significant probability/possibility of dying during that hospitalization. Specifically, one-third of these patients had terminal cancer, 3 had terminal liver failure, 3 had bowel gangrene with chronic renal failure and another patient was admitted only for terminal care. All the other patients had multiple other risk factors including 3 who had MI's during the hospitalization. Significantly, one-third of these patients were transferred to this institution because of the critical nature of their illness.

We would like to correct the hospital characteristics based on our own 1987 AHA files. These corrections would include our total number of characterized beds to equal 167 and our occupancy rate is 90%. We have 140 physicians on the medical staff of which 102 hold primary or multiple speciality certifications. The interns and residents per bed was 0.11, registered nurses per bed was 1.74 and LPN's per bed was 0.36. Please also note that we do have a hospice program at this institution since we sponsor the Hospice of the Pee Dee. As would be imagined, this would have an impact on our overall actual mortality rate when taken as a whole. Nevertheless, even with the changes as noted above, the actual mortality rate noted at our institution was within the range predicted by the HCFA software program.

Thank your for allowing us to have the opportunity of responding to your data.

Sincerely
F. Richard Ervin MD.
F. Richard Ervin, M. D. F.A.C.P.
Vice President for Medical Services
McLeod Regional Medical Center

sh/mt
DT: 10-19-88
DD: 10-19-88
2702

MEDICAL UNIVERSITY HOSP

171 ASHLEY AV
CHARLESTON, SC 29403

Medicare Hospital Provider Number: 420004

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,645	8	8 - 12	1,764	8	6 - 11
Cancer	68	16	27 - 49	49	24	26 - 54
Cerebrovascular Accidents	28	25	11 - 44	18	22	11 - 51
Gastrointestinal Catastrophes	12	25	13 - 63	17	29	17 - 62
Infectious Disease	9	11	11 - 60	9	33	9 - 67
Metabolic/Electrolyte Disorders	19	42	10 - 56	9	22	5 - 62
Pulmonary Disease	26	12	12 - 41	31	29	9 - 43
Renal Failure	19	21	4 - 60	19	16	1 - 64
Severe Acute Heart Disease	49	20	22 - 47	47	38	21 - 50
Severe Chronic Heart Disease	39	21	14 - 40	46	30	14 - 41
Severe Trauma	7	43	5 - 72	15	40	8 - 59
Gastrointestinal Disease	80	9	0 - 25	97	5	0 - 15
Gynecologic Disease	13	0	0 -100	9	0	0 -100
Low-Risk Heart Disease	286	3	2 - 7	267	4	2 - 8
Musculoskeletal/Skin Conditions	117	1	1 - 7	147	2	0 - 8
Neuropsychiatric/Sensory Disease	153	5	1 - 11	262	1	0 - 5
Urologic Disease	46	0	0 - 13	48	0	0 - 26

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	473
Occupancy Rate (%):	74
Ownership/Control:	State Government

STAFFING

Total Number of Physicians:	255
Percent of Physicians Who Are Board Certified Specialists:	84
Interns and Residents:	375
Registered Nurses:	611
Licensed Practical Nurses:	160

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	Yes
Hospice Care:	No

MULLINS HOSP

518 S MAIN ST
MULLINS, SC 29574

Medicare Hospital Provider Number: 420042

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	592	11	12 - 18	708	10	11 - 16
Cancer	15	60	19 - 67	17	47	25 - 71
Cerebrovascular Accidents	40	30	14 - 43	34	29	14 - 45
Gastrointestinal Catastrophes	5	20	9 - 77	0	-	-
Infectious Disease	4	25	11 - 85	2	50	1 - 93
Metabolic/Electrolyte Disorders	3	67	1 - 88	3	33	0 - 93
Pulmonary Disease	43	23	15 - 42	46	11	13 - 35
Renal Failure	9	33	14 - 77	7	57	14 - 83
Severe Acute Heart Disease	28	36	26 - 61	42	43	29 - 59
Severe Chronic Heart Disease	81	10	16 - 31	92	13	16 - 32
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	50	2	0 - 19	58	0	1 - 10
Gynecologic Disease	6	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	131	2	2 - 7	161	0	2 - 5
Musculoskeletal/Skin Conditions	17	0	0 - 37	25	0	0 - 26
Neuropsychiatric/Sensory Disease	9	0	0 -100	9	0	0 -100
Urologic Disease	10	0	0 -100	13	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 80
Occupancy Rate (%): 54
Ownership/Control: District/Authority

STAFFING

Total Number of Physicians: 14
Percent of Physicians Who Are Board Certified Specialists: 64
Interns and Residents: 0
Registered Nurses: 37
Licensed Practical Nurses: 34

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

NEWBERRY CO MEMORIAL HOSP-

2669 KINARD ST
NEWBERRY, SC 29108

Medicare Hospital Provider Number: 420053

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	530	16	10 - 17	718	12	9 - 15
Cancer	9	67	18 - 75	14	57	28 - 77
Cerebrovascular Accidents	40	32	13 - 43	37	19	14 - 41
Gastrointestinal Catastrophes	9	56	17 - 76	5	20	10 - 77
Infectious Disease	12	25	12 - 62	11	27	13 - 65
Metabolic/Electrolyte Disorders	13	46	7 - 60	10	30	9 - 64
Pulmonary Disease	24	29	11 - 48	34	29	14 - 46
Renal Failure	5	40	10 - 84	3	100	9 - 85
Severe Acute Heart Disease	33	45	21 - 56	31	39	25 - 59
Severe Chronic Heart Disease	41	29	13 - 42	49	20	10 - 34
Severe Trauma	0	-	-	1	0	0 - 99
Gastrointestinal Disease	52	4	0 - 27	57	0	0 - 11
Gynecologic Disease	3	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	64	0	1 - 9	70	0	1 - 8
Musculoskeletal/Skin Conditions	39	3	0 - 29	61	3	0 - 20
Neuropsychiatric/Sensory Disease	11	0	0 -100	51	2	0 - 22
Urologic Disease	9	0	0 -100	13	8	0 - 86

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	102
Occupancy Rate (%):	35
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	18
Percent of Physicians Who Are Board Certified Specialists:	89
Interns and Residents:	0
Registered Nurses:	32
Licensed Practical Nurses:	26

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

NORTH GREENVILLE HOSP-

807 N MAIN ST
TRAVELERS REST, SC 29690

Medicare Hospital Provider Number: 420081

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	47	0	0 - 32	45	0	0 - 45
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	0	-	-	0	-	-
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	0	-	-	0	-	-
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	0	-	-
Severe Chronic Heart Disease	1	0	0 - 99	0	-	-
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	0	-	-	0	-	-
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	0	-	-	0	-	-
Musculoskeletal/Skin Conditions	0	-	-	0	-	-
Neuropsychiatric/Sensory Disease	46	0	0 - 32	45	0	0 - 45
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	53
Occupancy Rate (%):	89
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	9
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	10
Licensed Practical Nurses:	5

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

OCONEE MEMORIAL HOSP

HIGHWAY 123 BOX 858
SENECA , SC 29678

Medicare Hospital Provider Number: 420009

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	943	13	9 - 14	1,104	14	9 - 15
Cancer	19	47	19 - 63	31	58	26 - 62
Cerebrovascular Accidents	81	27	15 - 36	59	31	18 - 43
Gastrointestinal Catastrophes	2	50	4 - 93	16	31	12 - 59
Infectious Disease	10	20	11 - 62	9	33	7 - 66
Metabolic/Electrolyte Disorders	13	15	6 - 52	26	31	9 - 48
Pulmonary Disease	82	28	16 - 38	106	26	14 - 34
Renal Failure	4	50	8 - 86	2	0	6 - 90
Severe Acute Heart Disease	30	30	21 - 54	44	57	25 - 55
Severe Chronic Heart Disease	48	33	12 - 39	28	39	11 - 48
Severe Trauma	0	-	-	2	50	3 - 92
Gastrointestinal Disease	90	3	0 - 13	105	2	0 - 10
Gynecologic Disease	13	0	0 -100	15	0	0 -100
Low-Risk Heart Disease	75	0	2 - 8	104	2	1 - 9
Musculoskeletal/Skin Conditions	97	1	0 - 13	114	3	0 - 11
Neuropsychiatric/Sensory Disease	18	6	0 - 94	34	6	0 - 57
Urologic Disease	38	5	0 - 88	41	0	0 - 46

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	180
Occupancy Rate (%):	88
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	41
Percent of Physicians Who Are Board Certified Specialists:	61
Interns and Residents:	0
Registered Nurses:	88
Licensed Practical Nurses:	31

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

ORANGEBURG CALHOUN HOSP

3000 ST MATTHEWS RD BOX 1806
ORANGEBURG, SC 29115

Medicare Hospital Provider Number: 420068

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,062	14	9 - 14	2,359	12	8 - 13
Cancer	72	39	29 - 55	70	47	29 - 56
Cerebrovascular Accidents	101	31	16 - 35	91	38	17 - 38
Gastrointestinal Catastrophes	23	35	14 - 55	14	29	11 - 60
Infectious Disease	21	48	14 - 57	16	44	14 - 61
Metabolic/Electrolyte Disorders	25	36	10 - 51	31	19	11 - 44
Pulmonary Disease	63	22	11 - 34	65	23	12 - 35
Renal Failure	12	75	10 - 68	5	60	6 - 82
Severe Acute Heart Disease	82	39	24 - 47	89	39	27 - 49
Severe Chronic Heart Disease	140	28	14 - 30	121	25	15 - 32
Severe Trauma	2	0	6 - 90	4	25	3 - 80
Gastrointestinal Disease	155	7	1 - 12	186	3	1 - 8
Gynecologic Disease	23	0	0 -100	27	0	0 -100
Low-Risk Heart Disease	199	8	1 - 11	270	7	1 - 8
Musculoskeletal/Skin Conditions	140	1	0 - 9	208	2	0 - 7
Neuropsychiatric/Sensory Disease	44	5	0 - 42	70	1	0 - 12
Urologic Disease	126	2	0 - 15	144	2	0 - 13

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	286
Occupancy Rate (%):	63
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	69
Percent of Physicians Who Are Board Certified Specialists:	65
Interns and Residents:	0
Registered Nurses:	214
Licensed Practical Nurses:	74

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

The Regional Medical Center
of Orangeburg & Calhoun Counties

October 24, 1988

William L. Roper, M.D.
Health Care Financing Administration
Hubert H. Humphrey Building
Room 314-G
200 Independence Avenue, S.W.
Washington, D.C. 20201

Dear Dr. Roper

RE: Release of HCFA mortality data

DATA VERIFICATION
The data used by HCFA indicate that a total of 288 Medicare patients admitted to The Regional Medical Center died within 30 days of admission. Of these 243 died while still a patient of the hospital, while 45 died after discharge. A listing of Medicare discharges during 1987 could not be obtained prior to the deadline, therefore it was not possible to verify the number of Medicare patients in this facility.

RESULTS OF PRELIMINARY MEDICARE RECORD REVIEW
1. The statistical methodology and grouping of the disease catagories could not be duplicated and acurately analyzed. However, the following comments are in regard to the grouping determined:

A. The appropriateness of including Transient Ischemic Attack (code 435.9) in "Low-risk Heart Disease". (Three of 288 deaths (1.1%) of deaths were admitted for TIA.)

B. Congestive heart failure (code 428.0) is included in "Severe Chronic Heart Disease", but Congestive heart failure with Hypertension (code 402.11) is included in "All other Diseases".

C. Not all carcinomas are included with Cancer deaths (i.e. Carcinoma of the Prostate).

2. Again, transfers to other acute care hospital are included in statistics for the initial hospital. This hospital transfers patients for major neurological or cardiac treatment after stabilization of the patient.

3. Prior to the release of hospital specific mortality data, it is felt that data correction should be performed by HCFA from the corrections submitted by the hospitals.

4. The following date errors were discovered during review of the data:

MED. REC. #	PATIENT NAME	HCFA NUMBER	DATE OF DEATH
[redacted]	[redacted]	[redacted]	[redacted]

3000 ST. MATTHEWS ROAD ■ ORANGEBURG, SOUTH CAROLINA 29115-1498 ■ (803)533-2200

[redacted] [redacted] [redacted] [redacted]

CONCLUSION
Mortality reviews have been a major component of this hospital's Quality Assurance Program for many years. However, mortality statistics alone do not give a true indication of the quality of care for any institution. We appreciate HCFA's efforts to impact care for its beneficiaries.

Sincerely,

H.F. Mabry
President

PIEDMONT MEDICAL CTR

222 S HERLONG AVE
ROCK HILL, SC 29730

Medicare Hospital Provider Number: 420002

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,678	12	7 - 12	1,837	11	7 - 11
Cancer	35	49	21 - 55	28	39	18 - 55
Cerebrovascular Accidents	86	24	15 - 35	75	29	15 - 37
Gastrointestinal Catastrophes	15	33	11 - 59	26	50	12 - 53
Infectious Disease	10	60	14 - 70	17	24	12 - 55
Metabolic/Electrolyte Disorders	27	56	12 - 52	19	42	7 - 54
Pulmonary Disease	85	27	13 - 34	89	18	10 - 29
Renal Failure	4	100	5 - 75	8	25	14 - 79
Severe Acute Heart Disease	69	46	26 - 51	70	41	24 - 49
Severe Chronic Heart Disease	63	17	9 - 30	70	34	10 - 34
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	150	5	1 - 11	153	3	0 - 9
Gynecologic Disease	21	0	0 -100	22	5	0 -100
Low-Risk Heart Disease	237	3	1 - 6	211	1	1 - 6
Musculoskeletal/Skin Conditions	138	5	0 - 19	172	2	0 - 11
Neuropsychiatric/Sensory Disease	86	2	0 - 27	102	4	0 - 16
Urologic Disease	88	3	0 - 19	114	2	0 - 13

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1988

Total Beds (#):	273
Ownership/Control:	Private, For Profit

STAFFING

Interns and Residents:	0
Registered Nurses:	133
Licensed Practical Nurses:	35

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	Yes

PROVIDENCE HOSP

2435 FOREST DR
COLUMBIA, SC 29204

Medicare Hospital Provider Number: 420026

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,353	11	9 - 13	2,732	8	8 - 12
Cancer	46	22	24 - 52	46	22	24 - 51
Cerebrovascular Accidents	74	28	17 - 39	57	21	18 - 41
Gastrointestinal Catastrophes	17	24	18 - 61	8	38	9 - 71
Infectious Disease	11	45	14 - 69	10	20	12 - 64
Metabolic/Electrolyte Disorders	19	42	7 - 54	13	23	3 - 56
Pulmonary Disease	70	24	13 - 36	57	21	14 - 38
Renal Failure	7	29	5 - 74	7	29	8 - 76
Severe Acute Heart Disease	202	29	27 - 43	178	26	28 - 44
Severe Chronic Heart Disease	152	30	15 - 31	152	30	17 - 33
Severe Trauma	1	0	0 -100	4	25	2 - 81
Gastrointestinal Disease	112	0	1 - 6	125	2	1 - 9
Gynecologic Disease	2	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	701	4	2 - 6	707	5	2 - 6
Musculoskeletal/Skin Conditions	69	1	0 - 14	88	2	1 - 11
Neuropsychiatric/Sensory Disease	62	2	0 - 14	268	0	1 - 5
Urologic Disease	55	0	0 - 13	51	4	0 - 46

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	191
Occupancy Rate (%):	76
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	180
Percent of Physicians Who Are Board Certified Specialists:	74
Interns and Residents:	0
Registered Nurses:	212
Licensed Practical Nurses:	29

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	Yes
Hospice Care:	No

Medicare Provider #42-0026

PROVIDENCE
HOSPITAL
2435 Forest Drive/Columbia, South Carolina 29204/(803) 256-5300

October 19, 1988

Attn: Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Bldg., 2-D-2
6325 Security Blvd.
Baltimore, MD 21207

Dear Ms Kappert:

Providence Hospital has reviewed the 1987 Medicare mortality information forwarded with Mr. Roper's letter of September 15, 1988.

Providence Hospital does not agree that the release of this mortality information can serve a useful purpose in assisting Medicare patients and others to come to conclusions about the quality of care.

In our enclosed response, we have chosen to limit our concerns to the conceptual approach and to the real possibilities of erroneous conclusions that will be drawn by the public from the release of this information.

Very truly yours,

Sister Mary Jacob

Sister Mary Jacob
President

SMJ/jkh
C:/GENERAL/10198-3.

Enclosure

PROVIDENCE HOSPITAL
2435 Forest Drive/Columbia, South Carolina 29204/(803) 256-5300

Medicare Provider #42-0026
October 19, 1988

RESPONSE TO HCFA DATA

Providence Hospital supports efforts to measure, monitor, and improve the quality of care provided patients in all health care settings.

The data provided by hospitals to HCFA on Medicare patients was designed to report on the costs of treating patients according to the clinical diagnosis that necessitated their hospital admission. As such, this financial data base does not contain relevant clinical information about the patient's condition and course of treatment which is essential for arriving at valid assessments of quality of care.

The analysis that HCFA released does not take into account the patient's medical history, the severity of his or her illness, the seriousness of any coexisting or developing complications, or whether the hospital is a general hospital or a major referral center which is likely to receive and treat the most complicated cases. Moreover, the analysis performed by HCFA shows mortality rates among Medicare patients by admitting diagnosis, not by cause of death.

The hospital currently employs personnel who monitor quality assurance activities in a coordinated departmental program.

Although HCFA acknowledges that its analysis of mortality is not intended to be interpreted as a measure of the quality of care provided by individual hospitals, its release in its present form is bound to be misinterpreted by the general public as a measure of quality of care. Accordingly, HCFA commits a disservice to the public, to hospitals, and to other health care providers when it releases this information in its present form ignoring the risk that it may be misinterpreted.

Regarding the use of the AHA Hospital characteristics, we feel that the categories of information are helpful to the patient and public in understanding the size of facility, staffing, and services in relation to the mortality information. However, the actual data pulled from the AHA file is misleading. For example, Providence Hospital is licensed for 239 beds. You reported that we had 98 beds in 1986 (we understand that you intend to report 1987 AHA data in your release to the public) whereas there were 212 beds available for use in that year. Your numbers included only general adult medical/surgical beds and did not include the number of beds in speciality units such as intensive care, medical coronary care, surgical coronary care, and progressive coronary care. Because such a large portion of our facility is devoted to treating patients with cardiovascular problems and because cardiovascular diseases is the leading cause of deaths in the over 65 age group, by not including total bed complement of our hospital, your data could give the false impression of a small hospital with a high number of Medicare deaths.

The public would be better served if total available beds, total Medicare admissions, and the total percentage of Medicare admissions were reported. In this manner, the public could get a truer picture of the size of a hospital, the total Medicare admissions versus the number used in your calculations, the relative utilization of that facility by the Medicare population, and the rate of nursing personnel to total available beds.

Additionally, the number of physicians on the hospital's staff is also misleading. It is true that we had 191 physicians who had active or associate staff privileges on our staff in 1986. However, there were approximately 185 other physicians on our staff that also had admitting privileges. These physicians are classified as consulting or courtesy staff physicians.

Also, many hospitals have coronary care units but do not offer a full range of diagnostic and therapeutic procedures such as cardiac catheterization laboratories and open heart surgery services. We suggest that these services be listed as well as therapeutic radiation services since cancer is the second leading cause of death among the elderly population. Again, this type of information would be helpful to the public in understanding the difference in mortality rates between facilities.

C:/GENERAL/10198-2.

RICHLAND MEMORIAL HOSP-

3301 HARDEN ST EXT
COLUMBIA, SC 29203

Medicare Hospital Provider Number: 420018

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,004	12	10 - 14	3,067	12	9 - 13
Cancer	116	41	31 - 54	147	41	31 - 52
Cerebrovascular Accidents	130	32	16 - 34	102	22	17 - 35
Gastrointestinal Catastrophes	18	39	21 - 67	26	31	14 - 53
Infectious Disease	36	50	20 - 55	38	55	21 - 56
Metabolic/Electrolyte Disorders	58	26	11 - 40	58	24	15 - 43
Pulmonary Disease	128	30	15 - 34	94	28	15 - 36
Renal Failure	31	13	9 - 56	41	17	10 - 58
Severe Acute Heart Disease	99	37	25 - 46	65	35	24 - 49
Severe Chronic Heart Disease	133	17	15 - 30	115	18	14 - 30
Severe Trauma	22	45	10 - 54	14	21	9 - 57
Gastrointestinal Disease	98	5	1 - 13	136	7	1 - 13
Gynecologic Disease	25	0	0 -100	30	0	0 - 35
Low-Risk Heart Disease	372	3	2 - 6	329	5	1 - 7
Musculoskeletal/Skin Conditions	367	2	1 - 5	390	2	0 - 5
Neuropsychiatric/Sensory Disease	214	2	1 - 7	275	1	1 - 5
Urologic Disease	46	7	0 - 80	48	2	0 - 32

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	536
Occupancy Rate (%):	83
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	361
Percent of Physicians Who Are Board Certified Specialists:	84
Interns and Residents:	159
Registered Nurses:	556
Licensed Practical Nurses:	175

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	Yes
Hospice Care:	No

Richland
Memorial Hospital

Medicare Provider #420018

October 20, 1988

Health Care Financing Administration
6325 Security Blvd.
Baltimore, Maryland 21207

Dear Sir:

Richland Memorial Hospital would like to include the following comments to the publication of selected mortality information. Although HCFA has acknowledged that quality of patient care cannot be judged from this data, our concern is that the data may lead to misinterpretation. Causes of mortality and quality of care must be analyzed utilizing professional review of patient records, objective clinical findings, severity of illness, personal preventive health care, diagnostic and therapeutic services provided, chronic and acute medical conditions coexisting or complicating treatment, and patient desire for continued mechanical or heroic life-sustaining measures. This information is not in the data used by HCFA which came from patient bills for reimbursement. The data base and methodology utilized, specific factors affecting this hospital, and errors demonstrated in the data affect the validity of the mortality report and provides misleading information.

METHODOLOGY:

- Only 5 patient characteristics (age, sex, hospitalizations in same category for prior 6 months, transfer status from another acute care hospital, and only 8 chronic coexisting conditions) were used in determining predicted risk of death. The methodology used to determine their relative contribution to risk of death is unsubstantiated.
- The grouping of cases into 16 arbitrary categories is very misleading. The "Cancer" category does NOT include cancer of the colon, breast, uterus, skin, bone, liver, prostate, and others. Surgically treated cases are grouped with medically managed cases. The "Gastrointestinal" category contains over 80 different diagnoses. Such broad groupings make meaningful analysis impossible.
- The report does not reflect the cause of death but rather the reason for the last hospital admission. The use of 30-day post-admission deaths attributes deaths to the hospital from conditions which arose after discharge.

HOSPITAL-SPECIFIC FACTORS:

- Tertiary care services provided here such as regional trauma center, cancer research center, infectious disease specialists, magnetic resonance imaging, medical teaching programs, and other referral, highly specialized technical services bring a greater number of more complex and severely ill patients.
- Patients transferred to this hospital and then back to the Veteran's Administration and South Carolina State Mental Health hospitals and who subsequently died were attributed to this hospital.

ERRORS IN HCFA DATA:

- A separate report documenting 13 errors for reported deaths in category classification, admission/discharge dates, or date of death is attached.
- One case was counted as a death in both the 1986 and 1987 reports.
- One case was counted twice in the 1987 report.

The change in our 1986 mortality figures reflected with the 1987 revised methodology demonstrates that our concern about the validity and usefulness of the report is warranted. The computer software marketed with this year's release as help to hospitals in understanding the meaning of its death rates is misrepresented and of little value.

The Medical/Dental Staff of Richland Memorial Hospital is committed to rendering quality patient care. Each department has implemented a Quality Assurance/Risk Management Program which provides a systematic process of monitoring and evaluating the quality and appropriateness of patient care and surveillance of professional performance including those in our complex system of support and ancillary services.

Richland Memorial Hospital supports appropriate efforts to improve the quality of patient care services, but our view is that the mortality report is misleading and does little or nothing to further knowledge about the quality of patient care. I hope these comments will provide assistance in evaluation of this report.

Sincerely,

William L. Ivey
President/CEO

ROPER HOSP

316 CALHOUN ST
CHARLESTON, SC 29401

Medicare Hospital Provider Number: 420087

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,643	8	9 - 13	2,657	8	9 - 13
Cancer	122	26	31 - 52	127	29	31 - 52
Cerebrovascular Accidents	107	15	18 - 33	99	21	18 - 36
Gastrointestinal Catastrophes	15	47	18 - 67	14	21	9 - 56
Infectious Disease	21	33	21 - 63	24	63	15 - 55
Metabolic/Electrolyte Disorders	55	27	16 - 45	31	19	11 - 44
Pulmonary Disease	88	24	17 - 38	91	16	14 - 33
Renal Failure	4	50	10 - 89	4	25	8 - 85
Severe Acute Heart Disease	88	30	26 - 47	83	39	27 - 49
Severe Chronic Heart Disease	118	14	14 - 29	112	16	14 - 30
Severe Trauma	4	25	4 - 80	2	50	2 - 92
Gastrointestinal Disease	214	2	1 - 7	195	2	1 - 6
Gynecologic Disease	37	0	0 - 87	31	0	0 -100
Low-Risk Heart Disease	330	3	2 - 6	361	3	2 - 6
Musculoskeletal/Skin Conditions	310	1	1 - 5	281	2	1 - 6
Neuropsychiatric/Sensory Disease	75	4	0 - 18	77	1	1 - 11
Urologic Disease	102	1	0 - 9	129	2	0 - 11

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	379
Occupancy Rate (%):	73
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	317
Percent of Physicians Who Are Board Certified Specialists:	74
Interns and Residents:	0
Registered Nurses:	341
Licensed Practical Nurses:	210

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

SELF MEMORIAL HOSP

SPRING ST
GREENWOOD, SC 29646

Medicare Hospital Provider Number: 420071

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,314	13	9 - 13	2,573	12	9 - 13
Cancer	84	35	24 - 49	108	47	29 - 52
Cerebrovascular Accidents	112	33	18 - 37	106	35	17 - 37
Gastrointestinal Catastrophes	24	38	17 - 58	21	43	11 - 55
Infectious Disease	41	41	18 - 52	41	24	17 - 48
Metabolic/Electrolyte Disorders	38	34	12 - 46	40	25	10 - 42
Pulmonary Disease	100	24	14 - 33	121	23	13 - 32
Renal Failure	12	33	8 - 68	20	35	17 - 72
Severe Acute Heart Disease	117	40	26 - 46	97	38	25 - 47
Severe Chronic Heart Disease	95	21	12 - 30	92	25	17 - 36
Severe Trauma	3	0	2 - 80	2	0	1 - 90
Gastrointestinal Disease	199	3	1 - 7	193	1	1 - 5
Gynecologic Disease	29	0	0 -100	43	0	0 -100
Low-Risk Heart Disease	258	5	1 - 7	283	3	1 - 6
Musculoskeletal/Skin Conditions	173	2	0 - 8	191	1	1 - 5
Neuropsychiatric/Sensory Disease	94	9	0 - 35	104	3	0 - 13
Urologic Disease	123	1	0 - 11	150	1	0 - 9

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	315
Occupancy Rate (%):	79
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	100
Percent of Physicians Who Are Board Certified Specialists:	76
Interns and Residents:	16
Registered Nurses:	206
Licensed Practical Nurses:	99

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

SOUTHLAND MEDICAL CENTER

115 MEDFORD DR BOX 506
DARLINGTON , SC 29532

Medicare Hospital Provider Number: 420050

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	204	8	8 - 16	229	10	7 - 16
Cancer	7	57	16 - 80	3	0	3 - 79
Cerebrovascular Accidents	7	43	5 - 71	13	31	6 - 56
Gastrointestinal Catastrophes	2	0	3 - 88	0	-	-
Infectious Disease	2	50	4 - 92	1	100	2 - 97
Metabolic/Electrolyte Disorders	5	20	1 - 77	6	17	3 - 69
Pulmonary Disease	25	12	12 - 42	17	29	9 - 52
Renal Failure	1	0	0 -100	2	50	6 - 95
Severe Acute Heart Disease	3	0	10 - 82	6	67	15 - 80
Severe Chronic Heart Disease	12	17	6 - 52	9	11	6 - 55
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	19	0	0 - 66	15	0	0 - 99
Gynecologic Disease	2	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	30	7	0 - 56	29	3	0 - 36
Musculoskeletal/Skin Conditions	13	0	0 -100	16	0	0 - 99
Neuropsychiatric/Sensory Disease	5	0	0 -100	10	0	0 - 90
Urologic Disease	4	0	0 -100	5	20	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	52
Occupancy Rate (%):	33
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	21
Percent of Physicians Who Are Board Certified Specialists:	81
Interns and Residents:	0
Registered Nurses:	29
Licensed Practical Nurses:	11

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SPARTANBURG REGIONAL MEDICAL CENTER

101 E WOOD ST
SPARTANBURG, SC 29303

Medicare Hospital Provider Number: 420007

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	4,021	13	10 - 14	4,338	13	10 - 14
Cancer	175	46	33 - 53	195	45	34 - 54
Cerebrovascular Accidents	158	21	18 - 32	179	24	18 - 33
Gastrointestinal Catastrophes	42	29	18 - 50	45	29	18 - 50
Infectious Disease	57	35	22 - 50	39	31	20 - 53
Metabolic/Electrolyte Disorders	120	27	13 - 37	97	25	13 - 38
Pulmonary Disease	149	27	16 - 34	163	28	16 - 33
Renal Failure	25	28	13 - 64	25	44	14 - 68
Severe Acute Heart Disease	197	37	26 - 43	194	37	29 - 45
Severe Chronic Heart Disease	193	24	14 - 28	201	22	15 - 29
Severe Trauma	12	33	9 - 62	20	35	13 - 58
Gastrointestinal Disease	278	2	1 - 6	328	4	1 - 7
Gynecologic Disease	24	0	0 -100	33	3	0 -100
Low-Risk Heart Disease	536	4	2 - 6	552	4	2 - 6
Musculoskeletal/Skin Conditions	328	2	1 - 5	319	2	1 - 5
Neuropsychiatric/Sensory Disease	69	12	0 - 26	157	2	1 - 8
Urologic Disease	121	2	1 - 10	143	3	0 - 17

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	523
Occupancy Rate (%):	78
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	253
Percent of Physicians Who Are Board Certified Specialists:	87
Interns and Residents:	46
Registered Nurses:	551
Licensed Practical Nurses:	182

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	Yes
Hospice Care:	Yes

ST EUGENE COMMUNITY HOSP-

301 E JACKSON ST
DILLON, SC 29536

Medicare Hospital Provider Number: 420005

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	578	12	9 - 15	617	9	9 - 15
Cancer	9	56	22 - 80	10	50	25 - 81
Cerebrovascular Accidents	21	33	12 - 52	20	40	10 - 52
Gastrointestinal Catastrophes	3	0	11 - 84	2	0	2 - 89
Infectious Disease	7	43	4 - 71	8	38	8 - 69
Metabolic/Electrolyte Disorders	7	43	7 - 72	5	40	5 - 78
Pulmonary Disease	51	31	13 - 40	60	12	12 - 32
Renal Failure	10	30	13 - 74	12	25	17 - 75
Severe Acute Heart Disease	26	42	18 - 55	31	29	25 - 57
Severe Chronic Heart Disease	33	15	10 - 37	34	21	12 - 41
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	47	2	0 - 23	56	0	1 - 10
Gynecologic Disease	5	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	134	1	2 - 6	96	1	1 - 8
Musculoskeletal/Skin Conditions	35	3	0 - 39	34	0	0 - 62
Neuropsychiatric/Sensory Disease	21	0	0 - 47	15	0	0 -100
Urologic Disease	23	9	1 - 39	19	5	0 - 82

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	92
Occupancy Rate (%):	73
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	25
Percent of Physicians Who Are Board Certified Specialists:	52
Interns and Residents:	0
Registered Nurses:	60
Licensed Practical Nurses:	24

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SAINT EUGENE
COMMUNITY HOSPITAL

Medicare Provider: 420005

SAINT EUGENE COMMUNITY HOSPITAL PUBLIC RESPONSE TO HCFA MORTALITY DATA RELEASE

Quality patient care is a commitment of Saint Eugene Community Hospital evidenced by the progress that we have taken. We continue to provide new services to our patients; we continue to enhance existing services through implementation of the latest technology available; and we strive to recruit and retain specialty trained physicians.

Saint Eugene Community Hospital has continued to be accredited by the Joint Commission on Accreditation of Healthcare Organizations. This continued accreditation is assured by our ongoing efforts to evaluate the services rendered at the hospital and to take any necessary action to improve our services. The commitment of Saint Eugene to provide quality patient care is demonstrated through its ongoing efforts in this area.

The commitment of Medicare to provide quality patient care has been difficult to identify. Reporting of mortality data is virtually irrelevant to an organization. Saint Eugene takes a more aggressive, more meaningful view in monitoring the quality of patient care. This commitment is again evident through actions the hospital has taken.

There were a total of 111 Medicare deaths included in Saint Eugene's mortality statistics. Our review of these statistics revealed that:

1. Seventy-four percent of all deaths were attributable to irreversible medical illnesses or conditions. Because Saint Eugene is the only hospital in the county and no hospice care is available, we serve as the only source of supportive care for terminally ill patients with illnesses like cancer or other irreversible diseases. In reaction to this need in the county, Saint Eugene Community Hospital soon will implement the county's first hospice program. This new service is scheduled to begin in December, 1988.

2. The remaining 26% of all deaths were directly related to the development of acute illnesses complicated by severe long-term conditions.

3. Thirty-seven percent of all deaths calculated for Saint Eugene occurred out of the hospital following discharge. This includes nursing home deaths and sudden cardiac arrest of patients who have undergone years of medical care for chronic illnesses that were not compatible with life.

Reporting deaths not related to substandard medical care should not be included in a hospital's mortality statistics and only serves to confuse the issue of quality. The Medicare patient care review process has not identified any death that was related to substandard medical care at Saint Eugene Community Hospital. We encourage Medicare to concentrate on supporting families and their needs in caring for terminally ill patients' family members. This method of support should be mandated by Medicare policy and would go far in demonstrating action that is in the best interest of Medicare's beneficiaries.

Saint Eugene Community Hospital's commitment to quality is evident through its actions, its love for its patients, and its dedication to the profession of medicine.

ST FRANCIS HOSP INC

1 ST FRANCIS DR
GREENVILLE, SC 29601

Medicare Hospital Provider Number: 420023

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,499	10	9 - 13	2,654	9	8 - 12
Cancer	75	37	24 - 50	98	37	28 - 52
Cerebrovascular Accidents	90	23	18 - 37	78	19	17 - 37
Gastrointestinal Catastrophes	29	28	15 - 52	23	17	16 - 52
Infectious Disease	20	45	18 - 62	24	42	23 - 63
Metabolic/Electrolyte Disorders	45	33	13 - 46	20	25	7 - 49
Pulmonary Disease	115	21	15 - 34	118	26	15 - 35
Renal Failure	17	24	10 - 64	15	13	10 - 63
Severe Acute Heart Disease	84	36	27 - 49	84	37	25 - 48
Severe Chronic Heart Disease	103	28	14 - 33	76	22	13 - 33
Severe Trauma	4	0	5 - 72	4	75	9 - 83
Gastrointestinal Disease	297	3	1 - 6	323	3	1 - 6
Gynecologic Disease	39	0	0 -100	35	6	0 -100
Low-Risk Heart Disease	251	5	1 - 8	255	4	2 - 7
Musculoskeletal/Skin Conditions	133	4	1 - 10	140	1	0 - 7
Neuropsychiatric/Sensory Disease	86	2	0 - 13	165	1	1 - 7
Urologic Disease	136	1	0 - 14	162	1	0 - 7

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	226
Occupancy Rate (%):	76
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	271
Percent of Physicians Who Are Board Certified Specialists:	90
Interns and Residents:	0
Registered Nurses:	252
Licensed Practical Nurses:	29

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

October 20, 1988

Ms. Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2 - D - 2
6325 Security Boulevard
Baltimore, Maryland 21207

RE: #420023
Comments on HCFA Mortality Data

Dear Ms. Kappert:

The data used by HCFA indicate that 2,499 Medicare patients were admitted to St. Francis Hospital in 1987; and, of these, 255 patients died within 30 days of admission, 205 died while still a patient of St. Francis and 50 died after discharge. Our records show that 4,269 Medicare patients were admitted in 1987. This discrepancy presumably reflects multiple admissions of individual beneficiaries. St. Francis Hospital has verified that 255 of these patients died within 30 days of admission; 205 while patients of St. Francis and 50 after discharge.

St. Francis Hospital is committed to providing the highest quality care to its patients and the community. We provide comprehensive inpatient and outpatient services primarily to upstate South Carolina, and are known as a center of excellence for gastroenterology, ophthalmology, otolaryngology, and general surgery. In 1987, our specialty treatment areas included cancer treatment and outpatient and acute dialysis. St. Francis Hospital is fully accredited by the Joint Commission on Accreditation of Healthcare Organizations and conducts a wide range of quality assurance activities to ensure that our high quality care is maintained.

Sincerely,

Richard C. Neugent
President

izh

St. Francis Hospital

ST FRANCIS XAVIER HOSP-

135 RUTLEDGE AVE
CHARLESTON, SC 29401

Medicare Hospital Provider Number: 420065

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,982	9	9 - 13	2,251	10	8 - 12
Cancer	88	33	29 - 53	106	36	30 - 53
Cerebrovascular Accidents	78	21	16 - 36	54	31	16 - 42
Gastrointestinal Catastrophes	16	31	8 - 56	22	18	14 - 51
Infectious Disease	33	24	20 - 52	29	41	19 - 57
Metabolic/Electrolyte Disorders	27	19	10 - 45	33	15	7 - 39
Pulmonary Disease	78	18	18 - 38	83	23	14 - 35
Renal Failure	8	25	13 - 77	8	38	14 - 81
Severe Acute Heart Disease	55	44	25 - 52	48	46	25 - 54
Severe Chronic Heart Disease	95	18	14 - 31	92	15	14 - 30
Severe Trauma	1	0	0 - 98	2	100	5 - 89
Gastrointestinal Disease	155	1	1 - 7	167	3	1 - 8
Gynecologic Disease	22	0	0 -100	22	0	0 -100
Low-Risk Heart Disease	177	6	1 - 10	223	5	1 - 8
Musculoskeletal/Skin Conditions	213	1	1 - 5	279	1	0 - 5
Neuropsychiatric/Sensory Disease	75	3	0 - 19	118	0	0 - 6
Urologic Disease	144	2	0 - 9	165	2	0 - 11

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	281
Occupancy Rate (%):	73
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	544
Percent of Physicians Who Are Board Certified Specialists:	75
Interns and Residents:	0
Registered Nurses:	195
Licensed Practical Nurses:	72

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

St Francis
Xavier
Hospital

MEDICARE PROVIDER NUMBER
420065

October 19, 1988

William L. Roper, M.D., Administrator
Department of Health and Human Services
Health Care Financing Administration
Washington, D.C. 20201

Dear Dr. Roper:

In accordance with your letter of September 15, 1988, requesting verification of the data to be published in December, 1988 by the Health Care Financing Administration of the Department of Health and Human Services, we submit the following:

1. Three patients died within 30 days of their last admission to St. Francis Xavier Hospital but not of the condition they were treated for during their admission.

2. Two patients listed on the print out from HCFA had incorrect information regarding their date of death.

3. Two patients died within 30 days of their admission and discharge from St. Francis Xavier Hospital but both died at other healthcare facilities.

It is recognized that the Medicare Hospital Mortality Information which relates to St. Francis Hospital for 1987 is favorable and the Actual Mortality Rate per diagnostic category for St. Francis comes within the parameters defined by HCFA. Our concern is the perception of the public when information as sensitive as mortality rates is published. It is likely that the public will interpret the data as an indicator of the quality of care regardless of the assurance that the information will be presented to minimize this possible reaction. This information could be used to evaluate hospitals without the benefit of knowing the severity of illness or the services provided by each hospital.

Another reason for concern is the incidences of patients who died in other healthcare facilities but appeared on St. Francis' mortality report. Will these deaths be counted in the mortality rate for both hospitals? It is only reasonable to expect that this information be adjusted in order to allow the correct mortality rate for each facility.

A Tradition Of ... Caring

135 Rutledge Avenue
Charleston, S.C. 29401
(803) 577-1000

The publication of Medicare Hospital Mortality Information is an important issue for hospitals, physicians and consumers. It is gratifying to know that HCFA is striving to improve and refine the analytic methodologies and data validation for this process. Thank you for the opportunity to respond to this information.

Sincerely,

Douglas L. Fairfax

Douglas L. Fairfax
President

ngz

enclosure

TRIDENT REGIONAL MEDICAL CENTER

9330 MEDICAL PLAZA DR
CHARLESTON, SC 29405

Medicare Hospital Provider Number: 420079

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,147	13	9 - 13	2,179	12	9 - 14
Cancer	86	40	32 - 56	85	55	31 - 56
Cerebrovascular Accidents	94	22	16 - 35	81	31	19 - 41
Gastrointestinal Catastrophes	20	45	16 - 60	22	32	15 - 56
Infectious Disease	15	33	14 - 61	36	36	16 - 51
Metabolic/Electrolyte Disorders	42	12	11 - 38	29	21	9 - 44
Pulmonary Disease	76	34	14 - 38	91	25	14 - 35
Renal Failure	11	45	10 - 72	10	20	7 - 68
Severe Acute Heart Disease	82	37	25 - 48	86	43	27 - 50
Severe Chronic Heart Disease	102	25	13 - 31	102	20	15 - 32
Severe Trauma	4	25	6 - 81	6	33	3 - 74
Gastrointestinal Disease	196	2	1 - 7	192	4	1 - 8
Gynecologic Disease	17	0	0 -100	20	0	0 -100
Low-Risk Heart Disease	269	4	2 - 7	258	2	2 - 6
Musculoskeletal/Skin Conditions	155	3	0 - 9	170	5	0 - 13
Neuropsychiatric/Sensory Disease	58	5	0 - 41	60	3	1 - 16
Urologic Disease	87	0	0 - 9	86	1	0 - 23

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1986

Total Beds (#):	266
Ownership/Control:	Private, For Profit

STAFFING

Interns and Residents:	0
Registered Nurses:	213
Licensed Practical Nurses:	85

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

TUOMEY HOSP

129 N WASHINGTON ST
SUMTER, SC 29150

Medicare Hospital Provider Number: 420070

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,700	13	10 - 14	1,761	13	10 - 15
Cancer	50	40	29 - 59	60	37	28 - 56
Cerebrovascular Accidents	128	30	16 - 34	105	31	17 - 36
Gastrointestinal Catastrophes	7	43	6 - 72	11	18	11 - 60
Infectious Disease	33	30	16 - 50	36	36	19 - 54
Metabolic/Electrolyte Disorders	22	18	10 - 48	30	30	8 - 45
Pulmonary Disease	103	22	16 - 35	96	20	14 - 33
Renal Failure	15	13	14 - 66	18	39	13 - 70
Severe Acute Heart Disease	57	47	25 - 52	78	45	26 - 50
Severe Chronic Heart Disease	91	29	12 - 32	88	20	13 - 32
Severe Trauma	1	0	0 -100	2	50	1 - 93
Gastrointestinal Disease	151	3	1 - 8	176	3	1 - 8
Gynecologic Disease	19	0	0 -100	10	0	0 -100
Low-Risk Heart Disease	130	3	1 - 9	141	3	1 - 8
Musculoskeletal/Skin Conditions	133	2	0 - 8	143	1	0 - 8
Neuropsychiatric/Sensory Disease	114	3	0 - 11	101	2	0 - 15
Urologic Disease	75	4	0 - 26	83	2	0 - 16

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	214
Occupancy Rate (%):	85
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	56
Percent of Physicians Who Are Board Certified Specialists:	77
Interns and Residents:	0
Registered Nurses:	154
Licensed Practical Nurses:	95

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

THE TUOMEY HOSPITAL
129 North Washington Street - Sumter, South Carolina 29150

LOUIS H. BREMER, JR.
Administrator

October 24, 1988

William L. Roper, M.D.
Administrator
Health Care Financing Administration
Department of Health and Human Services
Washington, DC 20201

Dear Dr. Roper:

SUBJECT: MEDICARE PROVIDER #42-0070

Your information shows that there were 1,700 Medicare admissions to Tuomey Hospital in 1987. Our records indicate that 2,659 Medicare admissions occurred in 1987. We have no way of verifying your information as we are not allowed to review your methodology.

The data used by HCFA indicates that a total of 216 Medicare patients admitted to Tuomey Hospital died within 30 days of admission. Of these, 89 died while still a patient of the hospital, while 127 died after discharge.

Your data indicates that Tuomey Hospital has 137 beds. That is inaccurate. We are currently operating 217 beds. Please make the appropriate correction.

It is unfortunate that HCFA is releasing flawed data to the public as an indicator of quality of care. Even though Tuomey Hospital falls below the statistical mortality norms that are used to release this information, we do not accept the mortality data as an appropriate indicator of quality. Medicare mortality rates reveal why a patient was admitted to the hospital, not why a patient died. If a patient is admitted for an appendectomy, for example, and suffers a heart attack and dies while in the hospital, the data will show appendicitis as the cause of death.

As an industry, we advocate appropriate analysis of quality issues. We encourage HCFA to work with the health care industry to develop appropriate methodologies to address quality of care issues.

Sincerely,

Jay Cox

Jay Cox
Associate Administrator

/lmc

UPSTATE CAROLINA MEDICAL CENTER

1504 N LIMESTONE ST
GAFFNEY, SC 29340

Medicare Hospital Provider Number: 420043

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	607	14	9 - 16	817	11	8 - 14
Cancer	17	65	28 - 73	22	59	21 - 62
Cerebrovascular Accidents	29	34	12 - 47	29	24	13 - 45
Gastrointestinal Catastrophes	4	100	5 - 71	6	17	12 - 74
Infectious Disease	11	55	6 - 63	4	50	5 - 82
Metabolic/Electrolyte Disorders	5	40	6 - 78	15	33	5 - 55
Pulmonary Disease	37	16	9 - 36	58	22	11 - 35
Renal Failure	4	50	7 - 85	6	67	12 - 83
Severe Acute Heart Disease	35	51	22 - 55	36	42	24 - 56
Severe Chronic Heart Disease	44	11	10 - 31	30	20	9 - 40
Severe Trauma	0	-	-	1	0	0 -100
Gastrointestinal Disease	63	3	0 - 21	66	2	1 - 12
Gynecologic Disease	3	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	67	4	1 - 16	92	1	1 - 8
Musculoskeletal/Skin Conditions	43	0	0 - 18	67	1	0 - 21
Neuropsychiatric/Sensory Disease	15	0	0 - 99	15	0	0 - 71
Urologic Disease	43	2	0 - 35	55	4	0 - 56

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	161
Occupancy Rate (%):	33
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	41
Percent of Physicians Who Are Board Certified Specialists:	54
Interns and Residents:	0
Registered Nurses:	55
Licensed Practical Nurses:	33

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

VA HOSP

GARNERS FERRY RD
COLUMBIA, SC 29201

Medicare Hospital Provider Number: 42011F

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1	100	0 -100	0	-	-
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	0	-	-	0	-	-
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	0	-	-	0	-	-
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	0	-	-
Severe Chronic Heart Disease	0	-	-	0	-	-
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	0	-	-	0	-	-
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	0	-	-	0	-	-
Musculoskeletal/Skin Conditions	0	-	-	0	-	-
Neuropsychiatric/Sensory Disease	0	-	-	0	-	-
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA (not available)

Total Beds (#):	410
Ownership/Control:	Federal Government

STAFFING

Interns and Residents:	0
Registered Nurses:	0
Licensed Practical Nurses:	0

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WALLACE THOMSON HOSP-

322 W SOUTH ST
UNION, SC 29379

Medicare Hospital Provider Number: 420039

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	714	16	8 - 15	676	17	9 - 16
Cancer	9	56	15 - 73	18	67	25 - 68
Cerebrovascular Accidents	36	42	13 - 45	35	37	13 - 46
Gastrointestinal Catastrophes	3	100	12 - 84	4	25	4 - 80
Infectious Disease	4	50	4 - 82	1	0	0 - 98
Metabolic/Electrolyte Disorders	15	40	13 - 62	16	38	8 - 56
Pulmonary Disease	49	22	10 - 36	52	27	11 - 37
Renal Failure	4	75	9 - 85	3	33	11 - 94
Severe Acute Heart Disease	34	47	21 - 55	17	59	20 - 65
Severe Chronic Heart Disease	60	38	10 - 36	63	30	12 - 36
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	82	1	0 - 10	67	3	0 - 17
Gynecologic Disease	2	0	0 -100	11	0	0 -100
Low-Risk Heart Disease	95	4	1 - 13	79	4	1 - 14
Musculoskeletal/Skin Conditions	33	3	0 - 75	38	0	0 - 19
Neuropsychiatric/Sensory Disease	11	9	0 -100	10	0	0 -100
Urologic Disease	24	0	0 - 81	21	0	0 - 56

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	92
Occupancy Rate (%):	57
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	47
Percent of Physicians Who Are Board Certified Specialists:	87
Interns and Residents:	0
Registered Nurses:	38
Licensed Practical Nurses:	31

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Wallace Thomson Hospital

P.O. DRAWER 789
UNION, SOUTH CAROLINA 29379

October 10, 1988

Health Standards and Quality
Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

RE: Response to Medicare Hospital
Mortality Information - 1987
Hospital ID: 420039

To Whom It May Concern:

Thank you for giving our hospital an opportunity to respond to the information which will soon become public specific to the mortality rates of the individual hospitals currently providing care for those patients sponsored under the Medicare Program.

My first concern is the actual intent of the publication of mortality information specific to each hospital. According to Dr. Roper's letter to hospital administrators dated September 15, 1988, "the information by itself is not a complete measure of the quality of care at an individual hospital", and "we cannot and do not recommend the use of the information by itself to make judgements about the quality of care in an individual hospital or to make comparisons among hospitals". However, the obvious outcome of the release of this information is that patients and providers alike will make quality of care comparisons between individual hospitals. This release of mortality information is obviously part of a larger agenda; to reduce health care expenditures among the nation's elderly through the systematic closure of a number of small and rural hospitals. The primary means of the accomplishment of this agenda is through financial pressure; widening the gap between what HCFA reimburses for the care of the elderly in a hospital and what the hospitals' costs are to provide this care.

The use of the Medicare Hospital Mortality Information as a measure of quality index contains a number of inherent fallacies. It ignores the individual and unique characteristics of each hospital and its Medical Staff, and strict interpretation of this information would lead patients to some very erroneous conclusions. These false premises are very well illustrated in the statistical information specific to Wallace Thomson Hospital.

One such premise lies in no methodology to compensate for the composition of the hospital's Medical Staff. In analyzing the overall mortality rate form the information presented for Wallace Thomson Hospital, it is obvious that the high end mortality rate is a function solely of the absence of physicians in low risk medical specialties. During the period of analysis (1987) there were no Gynecologists, Urologists, Orthopedic Surgeons, and Otolaryngologists on the active Medical Staff of the hospital or practicing within twenty-five (25) miles of the hospital. Obviously these low risk disease categories were treated at urban medical centers, and are therefore included in the mortality information of the urban medical center. This one factor alone distorts the statistical significance of any overall conclusions that can be drawn from the actual mortality rate. To further point out the absurdity of using this information to make health care choices, one should analyze the actual mortality rate specific to the disease categories for this hospital in gynecologic disease, urologic disease, and gastrointestinal disease. The mortality rate in each of these specialties is less than one (1%) percent. The obvious conclusion is that there is a high quality of care provided at this hospital in each of these disease categories. The obvious contradiction to this conclusion has already been pointed out above. There are no physicians board certified in any of these specialties practicing on the active Medical Staff of the hospital.

There are a number of other unique and individual categories which mortality information ignores, but would require too lengthy of an explanation to be contained in the required two page response. Paramount among these factors is the access to medical care as can be defined in whether a specific geographic area is underserved or overserved in the physician to population ratio.

The following information is inaccurate in the section dealing with hospital characteristics:

1. Number of beds: 143 not 86
2. Occupancy rate: 40% not 60%
3. Total number of physicians: 21 not 24
4. Percent of physicians who are board certified specialist: 62% not 33%.

Once again, thank you for allowing me to comment on this information.

Sincerely,

Larry H. Chewning
Chief Executive Officer

LHC:pmb

WHITTEN CENTER HOSP

HWY 76 E BOX 239
CLINTON, SC 29325

Medicare Hospital Provider Number: 420035

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	88	2	1 - 11	118	3	1 - 10
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	0	-	-	0	-	-
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	2	0	0 - 96	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	8	0	1 - 57	11	9	1 - 53
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	0	-	-
Severe Chronic Heart Disease	0	-	-	1	0	3 - 98
Severe Trauma	0	-	-	1	100	0 - 98
Gastrointestinal Disease	3	0	0 -100	9	0	0 -100
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	0	-	-	3	0	0 -100
Musculoskeletal/Skin Conditions	9	0	0 -100	15	0	0 -100
Neuropsychiatric/Sensory Disease	9	0	0 -100	14	0	0 -100
Urologic Disease	1	0	0 -100	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	26
Occupancy Rate (%):	50
Ownership/Control:	State Government

STAFFING

Total Number of Physicians:	6
Percent of Physicians Who Are Board Certified Specialists:	33
Interns and Residents:	0
Registered Nurses:	8
Licensed Practical Nurses:	6

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WILLIAMSBURG CO MEMORIAL HOSP-

500 NELSON BLVD
KINGSTREE, SC 29556

Medicare Hospital Provider Number: 420059

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	333	14	9 - 17	354	12	11 - 18
Cancer	3	33	7 - 88	10	60	17 - 73
Cerebrovascular Accidents	18	22	9 - 49	17	47	12 - 58
Gastrointestinal Catastrophes	3	0	6 - 80	3	0	4 - 79
Infectious Disease	15	33	16 - 63	12	33	14 - 66
Metabolic/Electrolyte Disorders	7	0	5 - 54	12	33	5 - 60
Pulmonary Disease	32	31	10 - 44	18	33	10 - 54
Renal Failure	2	100	2 - 89	3	0	18 - 94
Severe Acute Heart Disease	5	40	13 - 84	13	23	20 - 65
Severe Chronic Heart Disease	32	28	10 - 42	23	9	10 - 37
Severe Trauma	0	-	-	1	0	1 - 97
Gastrointestinal Disease	34	3	0 - 38	24	0	1 - 22
Gynecologic Disease	5	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	41	0	0 - 15	37	3	0 - 27
Musculoskeletal/Skin Conditions	19	0	0 - 91	23	0	1 - 23
Neuropsychiatric/Sensory Disease	10	10	0 -100	16	0	0 - 99
Urologic Disease	2	0	0 -100	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	48
Occupancy Rate (%):	53
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	17
Percent of Physicians Who Are Board Certified Specialists:	53
Interns and Residents:	0
Registered Nurses:	38
Licensed Practical Nurses:	20

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WILSON CLINIC & HOSP

HIGHWAY 34 E BOX 510
DARLINGTON, SC 29532

Medicare Hospital Provider Number: 420057

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	378	13	9 - 17	486	14	10 - 17
Cancer	5	100	19 - 75	13	69	24 - 73
Cerebrovascular Accidents	21	38	12 - 52	19	37	12 - 54
Gastrointestinal Catastrophes	3	67	5 - 86	4	50	8 - 84
Infectious Disease	11	36	14 - 67	6	33	9 - 76
Metabolic/Electrolyte Disorders	2	0	0 - 96	5	40	1 - 80
Pulmonary Disease	52	12	12 - 33	56	21	17 - 41
Renal Failure	2	50	6 - 95	9	11	23 - 81
Severe Acute Heart Disease	7	29	14 - 75	11	45	17 - 70
Severe Chronic Heart Disease	19	5	12 - 39	20	30	10 - 51
Severe Trauma	1	0	0 - 98	0	-	-
Gastrointestinal Disease	25	4	0 - 67	34	6	0 - 56
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	64	0	1 - 9	96	2	1 - 10
Musculoskeletal/Skin Conditions	18	6	0 - 95	31	3	0 - 30
Neuropsychiatric/Sensory Disease	12	8	0 - 82	12	8	0 - 89
Urologic Disease	12	0	0 - 64	11	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	50
Occupancy Rate (%):	72
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	36
Percent of Physicians Who Are Board Certified Specialists:	44
Interns and Residents:	0
Registered Nurses:	17
Licensed Practical Nurses:	19

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WILSON CLINIC AND HOSPITAL
Highway 34 / Post Office Box 510 / Darlington, South Carolina 29532 / (803) 395–1100

October 24, 1988

Sandra Kappert
Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2 - D - 2
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Ms. Kappert:

Upon reviewing our 1987 calendar year mortality statistics we note the following inaccuracies:

	Record Number	Name	Comments
1.	[redacted]	[redacted].	Patient died at VA Hospital
2.	[redacted]	[redacted]	ICD-9 code should have been 486, Pneumonia

Other minor inaccuracies were noted which do not affect the reporting aspect of the data and therefore are not enumerated. Additionally you note our bed size as "39" under hospital characteristic. We are a 50 bed hospital, a fact which would obviously additionally affect the occupancy rate calculation. Also, it was noted that the cancer diagnostic category does not include codes 152-155, cancer of the intestine, colon, rectum, or liver. Was this an oversight, or an intentional omission? There is no material effect on our hospital, but this could materially alter your reported statistics overall.

Thank you for the opportunity for reviewing the data prior to release.

Sincerely,

Joseph P. Zager
Administrator

JPZ/ec

ATHENS COMMUNITY HOSP-

1114 W MADISON AV
ATHENS, TN 37303

Medicare Hospital Provider Number: 440068

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	968	14	10 - 16	889	13	10 - 16
Cancer	19	47	25 - 69	14	71	33 - 80
Cerebrovascular Accidents	37	22	17 - 44	26	38	12 - 49
Gastrointestinal Catastrophes	9	11	12 - 62	9	56	7 - 68
Infectious Disease	10	20	14 - 65	9	56	15 - 74
Metabolic/Electrolyte Disorders	6	33	6 - 74	19	16	8 - 47
Pulmonary Disease	71	35	16 - 40	71	23	19 - 41
Renal Failure	9	78	18 - 79	4	50	10 - 89
Severe Acute Heart Disease	63	48	27 - 54	44	39	27 - 56
Severe Chronic Heart Disease	40	20	10 - 37	37	19	13 - 40
Severe Trauma	1	0	0 -100	1	0	1 - 97
Gastrointestinal Disease	77	0	1 - 8	86	3	0 - 16
Gynecologic Disease	6	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	130	5	1 - 10	119	3	1 - 10
Musculoskeletal/Skin Conditions	54	0	0 - 15	44	5	0 - 68
Neuropsychiatric/Sensory Disease	21	0	0 - 67	22	0	0 - 82
Urologic Disease	66	0	0 - 13	52	0	1 - 11

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	109
Occupancy Rate (%):	45
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	32
Percent of Physicians Who Are Board Certified Specialists:	75
Interns and Residents:	0
Registered Nurses:	48
Licensed Practical Nurses:	38

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BAPTIST HOSP

2000 CHURCH ST
NASHVILLE, TN 37203

Medicare Hospital Provider Number: 440133

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	4,554	9	9 - 12	4,498	10	9 - 12
Cancer	182	27	28 - 47	188	27	30 - 49
Cerebrovascular Accidents	170	19	17 - 32	122	29	18 - 36
Gastrointestinal Catastrophes	38	24	19 - 51	33	21	19 - 52
Infectious Disease	60	27	25 - 52	54	43	24 - 55
Metabolic/Electrolyte Disorders	46	24	12 - 42	57	26	11 - 40
Pulmonary Disease	168	24	18 - 35	209	33	19 - 35
Renal Failure	28	36	17 - 68	24	46	18 - 72
Severe Acute Heart Disease	152	30	28 - 46	122	26	29 - 48
Severe Chronic Heart Disease	187	23	16 - 30	187	22	17 - 31
Severe Trauma	19	26	10 - 54	12	58	7 - 63
Gastrointestinal Disease	351	3	2 - 6	327	3	1 - 6
Gynecologic Disease	49	0	0 - 95	59	0	0 -100
Low-Risk Heart Disease	511	3	2 - 5	497	3	2 - 6
Musculoskeletal/Skin Conditions	495	2	1 - 5	488	1	1 - 4
Neuropsychiatric/Sensory Disease	108	2	0 - 12	135	3	1 - 10
Urologic Disease	499	2	0 - 5	465	1	0 - 5

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	651
Occupancy Rate (%):	76
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

BAPTIST HOSPITAL
2000 CHURCH STREET · NASHVILLE, TENNESSEE 37236

615 329-5213

C. DAVID STRINGFIELD, F.A.C.H.E.
PRESIDENT

October 18, 1988

William L. Roper, M.D., Administrator
Department of Health and Human Services
Health Care Financing Administration
Washington, DC 20201

Dear Dr. Roper:

Baptist Hospital is well within the expected range of mortality in all categories listed in the HCFA report.

Baptist has devoted itself to the rendering of quality health care. This hospital has an active, ongoing quality assurance program which monitors the delivery of health care by our many physicians and health care professionals. Our quality assurance program ensures that Baptist Hospital's patients have available to them the latest innovations in medical technology, and it ensures the credentialling of our medical staff and health care professionals and the appropriate utilization of our resources.

Baptist Hospital has developed indicators of quality care which are used to monitor the delivery of our health care services. We do not believe that the ability to measure the quality of care has been adequately developed by any agency or institution to enable cross comparisons between institutions. In addition, we believe that mortality statistics alone do not provide an adequate measure of the quality of care at any institution. Even the complex HCFA statistical model, developed to create and report mortality statistics, does not consider all the variables associated with the causes or circumstances surrounding death.

We strongly suggest that if patients have questions with regards to the data published by HCFA, that they contact their physicians and their hospital of choice for an interpretation and a discussion of the usefulness of the data.

We appreciate this opportunity to comment on HCFA's mortality reporting system.

Very truly yours,

C. David Stringfield

C. David Stringfield, FACHE
President

CDS:d

BAPTIST HOSP OF ROANE CO

241 S CHAMBERLAIN AVE
ROCKWOOD, TN 37854

Medicare Hospital Provider Number: 440022

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	567	11	9 - 15	608	14	10 - 16
Cancer	13	62	19 - 69	10	80	20 - 71
Cerebrovascular Accidents	19	16	14 - 49	23	22	15 - 50
Gastrointestinal Catastrophes	2	100	2 - 89	3	67	6 - 88
Infectious Disease	6	0	12 - 63	11	18	18 - 66
Metabolic/Electrolyte Disorders	11	9	9 - 53	1	0	2 - 97
Pulmonary Disease	56	23	18 - 43	90	28	17 - 38
Renal Failure	1	100	1 - 97	0	-	-
Severe Acute Heart Disease	23	39	20 - 59	22	59	20 - 60
Severe Chronic Heart Disease	25	24	7 - 42	20	25	6 - 46
Severe Trauma	0	-	-	2	0	1 - 90
Gastrointestinal Disease	46	7	0 - 33	56	4	0 - 23
Gynecologic Disease	4	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	81	0	1 - 7	95	2	1 - 10
Musculoskeletal/Skin Conditions	65	2	0 - 15	48	2	0 - 36
Neuropsychiatric/Sensory Disease	8	0	0 -100	12	8	0 - 99
Urologic Disease	17	0	0 -100	16	6	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	97
Occupancy Rate (%):	34
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	22
Percent of Physicians Who Are Board Certified Specialists:	59
Interns and Residents:	0
Registered Nurses:	36
Licensed Practical Nurses:	36

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BAPTIST MEM HOSP HUNTINGDON

PO BOX 568
HUNTINGDON, TN 38344

Medicare Hospital Provider Number: 440016

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	685	15	9 - 16	685	13	9 - 16
Cancer	11	55	22 - 76	11	82	32 - 79
Cerebrovascular Accidents	35	40	16 - 48	31	45	13 - 48
Gastrointestinal Catastrophes	1	0	0 - 99	5	20	4 - 74
Infectious Disease	10	70	19 - 73	4	25	11 - 84
Metabolic/Electrolyte Disorders	28	18	9 - 43	25	32	10 - 50
Pulmonary Disease	59	22	14 - 37	51	27	17 - 43
Renal Failure	1	0	3 - 99	4	50	12 - 91
Severe Acute Heart Disease	15	47	16 - 64	18	39	23 - 66
Severe Chronic Heart Disease	51	31	13 - 39	37	14	15 - 39
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	60	3	0 - 18	65	0	0 - 10
Gynecologic Disease	7	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	94	3	1 - 11	126	2	1 - 8
Musculoskeletal/Skin Conditions	59	2	0 - 20	77	1	0 - 13
Neuropsychiatric/Sensory Disease	15	0	0 - 97	21	10	0 -100
Urologic Disease	23	9	0 - 99	17	6	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	70
Occupancy Rate (%):	61
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	21
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	0
Registered Nurses:	17
Licensed Practical Nurses:	28

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Baptist Memorial
Hospital Huntingdon
631 R.B. Wilson Drive
Huntingdon, Tennessee 38344

Stephen L. Mansfield
Administrator

901-986-4461

October 17, 1988

Health Care Financing Administration
P.O. Box 26684
Baltimore, Maryland 21207

Dear Sirs:

The Health Care Financing Administration Mortality Statistics have been reviewed and evaluated. Baptist Memorial Hospital - Huntingdon is within the predicted ranges for all diagnostic categories.

Baptist Memorial Hospital - Huntingdon is a 70-bed facility licensed by the State of Tennessee and accredited by the Joint commission on Accreditation of Healthcare Organizations. The Hospital Board, Medical Staff and Administration strive for optimal patient care through an active Quality Assurance Program. Mortality Review is conducted on an ongoing, continuous basis by the Medical Staff on all deaths occurring in the hospital. No quality problems have been identified in the review of the cases.

The goal of the Board of Directors, Administration, and Medical Staff is to provide optimal quality care to all patients who seek treatment at Baptist Memorial Hospital-Huntingdon.

Sincerely,

Stephen L. Mansfield

Stephen L. Mansfield
Adminisrator

BAPTIST MEMORIAL HOSP

899 MADISON AV
MEMPHIS, TN 38146

Medicare Hospital Provider Number: 440048

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	9,971	9	9 - 12	10,021	9	9 - 13
Cancer	440	33	32 - 49	458	38	34 - 51
Cerebrovascular Accidents	339	25	21 - 33	350	25	19 - 31
Gastrointestinal Catastrophes	61	36	26 - 55	87	30	22 - 49
Infectious Disease	62	32	22 - 50	94	39	25 - 51
Metabolic/Electrolyte Disorders	117	32	21 - 46	78	23	14 - 39
Pulmonary Disease	283	27	20 - 34	283	22	18 - 33
Renal Failure	37	27	17 - 64	46	28	17 - 65
Severe Acute Heart Disease	321	36	28 - 42	348	33	32 - 45
Severe Chronic Heart Disease	375	20	17 - 28	389	20	18 - 29
Severe Trauma	21	24	13 - 54	21	19	10 - 50
Gastrointestinal Disease	627	2	1 - 5	675	3	1 - 5
Gynecologic Disease	100	1	0 - 99	111	1	0 - 75
Low-Risk Heart Disease	1,401	3	2 - 4	1,416	3	2 - 5
Musculoskeletal/Skin Conditions	1,033	1	1 - 4	1,141	1	1 - 4
Neuropsychiatric/Sensory Disease	816	1	1 - 5	604	2	1 - 5
Urologic Disease	387	1	0 - 6	420	1	0 - 5

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	1,590
Occupancy Rate (%):	69
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	619
Percent of Physicians Who Are Board Certified Specialists:	70
Interns and Residents:	138
Registered Nurses:	1,247
Licensed Practical Nurses:	351

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	Yes
Hospice Care:	No

BAPTIST MEMORIAL HOSPITAL
MEDICAL CENTER
899 MADISON AVENUE
MEMPHIS, TENNESSEE 38146

JOSEPH H. POWELL, PRESIDENT

Medicare Provider Number: 440048

October 19, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2 - D - 2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Baptist Memorial Hospital is pleased to see that the actual mortality rates for its Medicare patients fell well within the predicted ranges for each of the diagnostic categories of the Health Care Financing Administration (HCFA) for the second year in a row. However, even in light of this positive report, we caution against viewing the HCFA mortality rates as the ultimate indicators of quality. Quality cannot be measured with statistics alone. In fact, there is no statistical model available at this time which can consider all of the variables that may interact to result in a positive or negative patient outcome. Such a model can only suggest areas for evaluation or study, which is how the Quality Assurance process at Baptist Memorial Hospital will utilize the mortality data published by the Health Care Financing Administration.

Baptist Memorial Hospital is committed to quality patient care. We appreciate the opportunity to comment on the HCFA mortality data release.

Sincerely,

Joseph H Powell

Joseph H. Powell

BAPTIST MEMORIAL HOSP LAUDERDALE

326 ASBURY RD
RIPLEY, TN 38063

Medicare Hospital Provider Number: 440114

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	487	15	11 - 18	513	17	11 - 19
Cancer	13	62	26 - 76	7	57	16 - 79
Cerebrovascular Accidents	15	40	9 - 57	26	38	17 - 53
Gastrointestinal Catastrophes	7	29	11 - 73	5	20	8 - 76
Infectious Disease	4	25	9 - 82	5	80	16 - 83
Metabolic/Electrolyte Disorders	19	5	10 - 42	8	38	6 - 69
Pulmonary Disease	58	26	13 - 38	59	25	13 - 37
Renal Failure	0	-	-	4	75	12 - 88
Severe Acute Heart Disease	18	39	22 - 65	26	42	24 - 61
Severe Chronic Heart Disease	37	22	12 - 40	39	13	14 - 37
Severe Trauma	0	-	-	1	0	0 - 98
Gastrointestinal Disease	43	2	0 - 23	42	0	1 - 12
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	64	6	0 - 20	76	3	1 - 12
Musculoskeletal/Skin Conditions	24	4	0 - 69	38	3	1 - 19
Neuropsychiatric/Sensory Disease	13	8	0 - 56	13	8	0 - 99
Urologic Disease	6	17	0 -100	4	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 70
Occupancy Rate (%): 43
Ownership/Control: Church

STAFFING

Total Number of Physicians: 8
Percent of Physicians Who Are Board Certified Specialists: 88
Interns and Residents: 0
Registered Nurses: 16
Licensed Practical Nurses: 9

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

BAPTIST MEMORIAL
HOSPITAL LAUDERDALE
326 Asbury Road
Ripley, Tennessee 38063

William E. Torrence, Jr. 901-635-1331
Administrator

October 18, 1988

Health Care Financing Administration
P.O. Box 26684
Baltimore, Maryland 21207

Dear Sirs:

The Health Care Financing Administration Mortality Statistics have been reviewed and evaluated. Baptist Memorial Hospital - Lauderdale is within the predicted ranges for all diagnostic areas.

Baptist Memorial Hospital - Lauderdale is a 70 bed facility licensed by the State of Tennessee and accredited by the Joint Commission on Accreditation of Healthcare Organizations. The Hospital Board, Medical Staff and Administration strive for optimal patient care through an active Quality Assurance Program. Mortality Review is one important aspect of this program. Mortality Review is conducted on an ongoing, continuous basis by the Medical Staff on all deaths occurring in the hospital. No quality problems have been identified through these assessments.

The goal of the Board of Trustees, Administration and Medical Staff is to provide optimal quality care to all patients who seek treatment at Baptist Memorial Hospital - Lauderdale.

Sincerely,

William E. Torrence, Jr.

William E. Torrence, Jr.
Administrator

BAPTIST MEMORIAL HOSP TIPTON

1995 HWY 51 S BOX 737
COVINGTON, TN 38019

Medicare Hospital Provider Number: 440131

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	696	13	10 - 16	694	12	10 - 16
Cancer	12	67	26 - 77	14	43	24 - 74
Cerebrovascular Accidents	25	24	15 - 49	32	22	14 - 44
Gastrointestinal Catastrophes	4	75	9 - 83	6	33	10 - 76
Infectious Disease	12	67	19 - 70	9	44	15 - 74
Metabolic/Electrolyte Disorders	14	21	10 - 56	8	50	18 - 79
Pulmonary Disease	52	42	16 - 44	54	22	14 - 39
Renal Failure	6	50	8 - 80	3	100	10 - 86
Severe Acute Heart Disease	35	43	26 - 59	30	37	27 - 61
Severe Chronic Heart Disease	26	23	8 - 42	45	36	12 - 41
Severe Trauma	0	-	-	1	100	0 - 98
Gastrointestinal Disease	66	6	1 - 19	62	5	0 - 20
Gynecologic Disease	10	0	0 -100	9	0	0 -100
Low-Risk Heart Disease	86	0	2 - 7	73	1	1 - 10
Musculoskeletal/Skin Conditions	38	0	0 - 24	53	2	0 - 17
Neuropsychiatric/Sensory Disease	17	0	0 - 93	8	0	0 -100
Urologic Disease	49	0	0 - 27	59	0	0 - 16

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	100
Occupancy Rate (%):	40
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	45
Percent of Physicians Who Are Board Certified Specialists:	16
Interns and Residents:	0
Registered Nurses:	46
Licensed Practical Nurses:	20

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BAPTIST MEMORIAL
HOSPITAL TIPTON
P.O. BOX 737
COVINGTON, TENNESSEE 38019

William T. Moorer
Administrator

901-476-2621

October 18, 1988

Health Care Financing Administration
P.O. Box 26684
Baltimore, Maryland 21207

Dear Sirs:

The Health Care Financing Administration Mortality Statistics have been reviewed and evaluated. Baptist Memorial Hospital - Tipton is within the predicted ranges for all diagnostic categories.

Baptist Memorial Hospital - Tipton is a 100 bed facility licensed by the State of Tennessee and accredited by the Joint Commission on Accreditation of Healthcare Organizations. The Hospital Board, Medical Staff and Administration strive for optimal patient care through an active Quality Assurance Program. Mortality Review is one important aspect of this program. Mortality Review is conducted on an ongoing, continuous basis by the Medical Staff on all deaths occurring in the hospital. No quality problems have been identified through these assessments.

The goal of the Board of Trustees, Administration and Medical Staff is to provide optimal quality care to all patients who seek treatment at Baptist Memorial Hospital - Tipton.

Sincerely,

William T. Moorer

William T. Moorer
Administrator

BAPTIST MEMORIAL HOSP UNION CITY

BISHOP AT RUSSELL
UNION CITY, TN 38261

Medicare Hospital Provider Number: 440130

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,174	14	9 - 14	1,181	14	9 - 14
Cancer	28	57	24 - 62	41	61	30 - 62
Cerebrovascular Accidents	52	42	14 - 42	50	14	16 - 37
Gastrointestinal Catastrophes	11	18	20 - 68	1	0	0 - 98
Infectious Disease	15	20	14 - 57	11	18	13 - 62
Metabolic/Electrolyte Disorders	19	26	7 - 50	31	35	11 - 48
Pulmonary Disease	66	29	12 - 36	65	28	12 - 37
Renal Failure	7	71	9 - 76	8	63	14 - 80
Severe Acute Heart Disease	41	54	21 - 52	53	60	26 - 54
Severe Chronic Heart Disease	73	27	13 - 35	58	34	11 - 37
Severe Trauma	1	0	0 - 97	1	0	1 - 97
Gastrointestinal Disease	117	3	1 - 10	91	2	0 - 11
Gynecologic Disease	21	5	0 -100	30	0	0 - 99
Low-Risk Heart Disease	157	3	1 - 8	156	3	1 - 8
Musculoskeletal/Skin Conditions	82	2	0 - 13	85	4	0 - 17
Neuropsychiatric/Sensory Disease	36	3	0 - 72	51	6	0 - 87
Urologic Disease	64	2	0 - 21	64	6	0 - 82

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	120
Occupancy Rate (%):	63
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	29
Percent of Physicians Who Are Board Certified Specialists:	59
Interns and Residents:	0
Registered Nurses:	60
Licensed Practical Nurses:	49

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BAPTIST MEMORIAL
HOSPITAL UNION CITY
P.O. Box 310
Union City, Tennessee 38261

David C. Hogan
Administrator

901-885-2410

October 18, 1988

Health Care Financing Administration
P.O. Box 26684
Baltimore, Maryland 21207

Dear Sir:

Baptist Memorial Hospital - Union City is a JCAHO and State of Tennessee accredited, 174 - bed acute care facility which provides quality services within a rural community. There are three (3) local nursing homes established within our community which contribute to a large majority of the elderly, chronically and terminally ill patients admitted to our facility.

In 1987, Baptist Memorial Hospital - Union City admitted and treated 1,757 Medicare patients. According to HCFA mortality statistics provided, our facility exceeded the predicted range in "severe acute heart disease".

From an analysis performed on this data, 91% of the deaths had increased severity levels due to secondary diagnoses of cardiogenic shock, congestive heart failure, complete heart block, and associated respiratory failure. Forty-five percent (45%) of the deaths were patients which were designated as DNR (Do Not Resuscitate), due to the terminal condition of the patient. Fifty-five percent (55%) of the patients died within 48 hours of admission which indicates these patients were critically ill upon admission.

It should be noted that Baptist Memorial Hospital - Union City is the only facility within a 40 mile radius with a full-time cardiologist on staff and a qualified cardiac rehabilitation program. This results in treatment of a greater number of patients seeking treatment for severe acute heart disease in this facility.

As stated previously, our facility is JCAHO and State of Tennessee accredited, thus requiring an extensive Quality Assurance Program and Utilization Review Management Program. All deaths are screened using criteria developed and approved by the Medical Staff which are made up of board certified physicians. Within this type of review, the hospital is able to identify the appropriateness and quality of care received and that the medical treatment was provided according to the appropriate standards of care. No quality problems have been found.

We caution against viewing the HCFA mortality rates as the ultimate indicators of quality. Quality cannot be measured with statistics alone. In fact, there is no statistical model available at this time which can consider all of the variables that may interact to result in a positive or negative patient outcome. Such a model can only suggest areas for evaluation or study.

The goal of the Board of Trustees, Administration and Medical Staff is to provide optimal quality care to all patients who seek treatment at Baptist Memorial Hospital - Union City.

Sincerely,

David C. Hogan

David C. Hogan
Administrator

BAPTIST MEMORIAL HOSPITAL GERMANTOWN

2100 EXETER ROAD
GERMANTOWN, TN 38138

Medicare Hospital Provider Number: 440147

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	6	0	0 -100	24	0	0 - 84
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	0	-	-	0	-	-
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	0	-	-	0	-	-
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	0	-	-
Severe Chronic Heart Disease	0	-	-	0	-	-
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	0	-	-	0	-	-
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	0	-	-	0	-	-
Musculoskeletal/Skin Conditions	5	0	0 -100	21	0	0 - 96
Neuropsychiatric/Sensory Disease	0	-	-	0	-	-
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	50
Occupancy Rate (%):	(not available)
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	9
Percent of Physicians Who Are Board Certified Specialists:	78
Interns and Residents:	3
Registered Nurses:	17
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BAPTIST MEMORIAL
HOSPITAL - GERMANTOWN

2100 Exeter Road
Germantown, Tennessee 38138
901-757-1350

October 10, 1988

Health Care Financing Administration
P.O. Box 26684
Baltimore, Maryland 21207

Dear Sir:

The Health Care Financing Administration's Mortality Statistics have been reviewed and evaluated. Baptist Memorial Hospital - Germantown's data indicates no deaths in the hospital. The hospital's Board and Medical Staff strive for optimal patient care through an active quality assurance program. The goal of the Board of Trustees, Administration, and the Medical Staff is to provide optimal quality care to all patients who seek treatment at Baptist Memorial Hospital - Germantown.

Sincerely,

Karen A. Gintzig

Karen A. Gintzig
Administrator

BEDFORD CO GENERAL HOSP

845 UNION ST
SHELBYVILLE, TN 37160

Medicare Hospital Provider Number: 440137

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	667	12	10 - 15	626	15	10 - 16
Cancer	16	50	24 - 71	19	74	27 - 67
Cerebrovascular Accidents	23	17	12 - 45	28	36	13 - 48
Gastrointestinal Catastrophes	5	80	14 - 81	5	20	4 - 74
Infectious Disease	13	23	11 - 58	4	25	9 - 83
Metabolic/Electrolyte Disorders	3	33	0 - 91	7	14	8 - 66
Pulmonary Disease	69	19	14 - 35	63	16	14 - 35
Renal Failure	7	43	8 - 77	6	67	9 - 80
Severe Acute Heart Disease	17	41	18 - 63	12	50	17 - 69
Severe Chronic Heart Disease	52	21	14 - 37	52	27	13 - 38
Severe Trauma	1	0	0 - 99	0	-	-
Gastrointestinal Disease	65	2	0 - 13	62	3	0 - 19
Gynecologic Disease	11	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	67	0	2 - 8	52	6	1 - 20
Musculoskeletal/Skin Conditions	33	6	0 - 74	55	2	0 - 19
Neuropsychiatric/Sensory Disease	18	6	0 - 84	21	0	0 - 33
Urologic Disease	20	0	0 - 54	31	0	0 - 47

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	184
Occupancy Rate (%):	72
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	25
Percent of Physicians Who Are Board Certified Specialists:	72
Interns and Residents:	0
Registered Nurses:	45
Licensed Practical Nurses:	34

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BENTON COMMUNITY HOSP

HOSPITAL ST
CAMDEN, TN 38320

Medicare Hospital Provider Number: 440145

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	634	15	9 - 15	709	12	10 - 16
Cancer	15	53	26 - 74	13	69	28 - 77
Cerebrovascular Accidents	32	31	15 - 48	39	31	18 - 47
Gastrointestinal Catastrophes	0	-	-	4	25	3 - 80
Infectious Disease	1	100	2 - 97	1	100	3 - 98
Metabolic/Electrolyte Disorders	8	13	10 - 63	8	38	6 - 69
Pulmonary Disease	68	28	15 - 39	86	22	16 - 37
Renal Failure	1	0	3 - 99	2	100	8 - 92
Severe Acute Heart Disease	16	44	19 - 65	30	37	28 - 62
Severe Chronic Heart Disease	32	56	12 - 47	30	27	12 - 44
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	67	4	0 - 21	73	0	1 - 8
Gynecologic Disease	8	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	118	2	1 - 8	138	1	1 - 7
Musculoskeletal/Skin Conditions	38	3	0 - 51	50	0	0 - 12
Neuropsychiatric/Sensory Disease	15	0	0 - 72	17	0	0 - 98
Urologic Disease	31	0	0 - 29	33	3	0 - 80

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	93
Occupancy Rate (%):	41
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BENTON
COMMUNITY
HOSPITAL

October 18, 1988

Provider No. 44-0145

Benton Community Hospital is a ninety-three bed, private, for-profit, rural hospital. The total number of physicians on the Medical Staff is seventeen, with ten Active Staff Members and seven Courtesy Staff Members. Five physicians on the staff are Board Certified.

In 1987 there were 2,791 patients discharged from this facility. Of these, 1,290 had Medicare as their primary insurance carrier. A total of eighty-two patients expired while in the hospital. A total of forty-six either expired in the emergency room or were brought in "dead on arrival." Therefore, the total number of deaths reported by this facility is one hundred twenty-eight.

Benton Community Hospital endeavors to provide the highest quality of care to its patients. Through a Medical Staff Committee each death occurring within the hospital is carefully evaluated. It has been our experience that the care provided has always been appropriate and reasonable.

Hospital Drive
Camden, Tennessee 38320
Telephone (901) 584-6135

An Affiliate of
HEALTHTRUST
INC. *The Hospital Company*

BLEDSOE CO HOSP

HWY 30 BOX 428
PIKEVILLE, TN 37367

Medicare Hospital Provider Number: 440157

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	282	8	6 - 13	244	9	7 - 16
Cancer	3	67	13 - 95	1	100	3 - 98
Cerebrovascular Accidents	8	63	9 - 70	9	56	13 - 71
Gastrointestinal Catastrophes	0	-	-	1	0	0 - 98
Infectious Disease	3	0	11 - 84	3	0	3 - 79
Metabolic/Electrolyte Disorders	0	-	-	1	100	2 - 98
Pulmonary Disease	16	25	11 - 54	16	19	16 - 56
Renal Failure	1	100	2 - 97	2	50	7 - 96
Severe Acute Heart Disease	7	14	12 - 68	7	29	10 - 72
Severe Chronic Heart Disease	16	25	8 - 51	10	20	10 - 60
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	32	0	0 - 23	23	0	0 - 29
Gynecologic Disease	1	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	72	0	1 - 8	52	2	0 - 17
Musculoskeletal/Skin Conditions	17	0	0 -100	19	0	0 - 94
Neuropsychiatric/Sensory Disease	8	0	0 -100	11	0	0 - 98
Urologic Disease	2	0	0 -100	5	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	32
Occupancy Rate (%):	66
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BLOUNT MEMORIAL HOSP-

907 E LAMAR ALEXANDER PARKWAY
MARYVILLE, TN 37801

Medicare Hospital Provider Number: 440011

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,366	12	10 - 14	2,306	12	9 - 13
Cancer	103	50	31 - 55	81	52	30 - 56
Cerebrovascular Accidents	99	29	16 - 36	85	31	19 - 40
Gastrointestinal Catastrophes	23	30	16 - 56	11	45	16 - 71
Infectious Disease	16	25	15 - 58	9	22	11 - 66
Metabolic/Electrolyte Disorders	25	16	14 - 48	14	43	5 - 58
Pulmonary Disease	106	34	19 - 40	98	20	14 - 34
Renal Failure	10	80	22 - 81	5	80	5 - 78
Severe Acute Heart Disease	102	33	29 - 49	95	40	30 - 51
Severe Chronic Heart Disease	102	18	15 - 32	101	22	16 - 34
Severe Trauma	0	-	-	2	50	2 - 92
Gastrointestinal Disease	244	3	1 - 7	224	3	1 - 7
Gynecologic Disease	24	0	0 -100	17	0	0 -100
Low-Risk Heart Disease	289	5	1 - 7	305	5	2 - 7
Musculoskeletal/Skin Conditions	148	1	1 - 7	185	3	0 - 8
Neuropsychiatric/Sensory Disease	84	2	0 - 13	81	2	0 - 20
Urologic Disease	147	3	0 - 11	126	0	1 - 6

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	221
Occupancy Rate (%):	73
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	84
Percent of Physicians Who Are Board Certified Specialists:	63
Interns and Residents:	0
Registered Nurses:	162
Licensed Practical Nurses:	74

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

BLOUNT MEMORIAL HOSPITAL

MRS. CARLE (CONNIE) DAVIS
PRESIDENT OF THE BOARD

JOSEPH M. DAWSON
ADMINISTRATOR

MEDICAL STAFF
PAUL W. HOFFMANN, M.D.
CHIEF OF STAFF

RAYMOND A. FINNEY, JR., M.D.
VICE CHIEF OF STAFF

B. GORDON McCALL, M.D.
IMMEDIATE PAST CHIEF OF STAFF

CLAY G. CROWDER, M.D.
SECRETARY

October 3, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Mrs. Kappert

Enclosed you will find a response to the Medicare Hospital Mortality Information (1987).

Thank you very much for the opportunity to comment on this controversial information.

Sincerely

Joseph M Dawson

Joseph M. Dawson
Administrator

JMD:bl

Enclosures

MRS. CARLE (CONNIE) DAVIS
PRESIDENT OF THE BOARD
JOSEPH M. DAWSON
ADMINISTRATOR

BLOUNT MEMORIAL HOSPITAL

MEDICAL STAFF
PAUL W. HOFFMANN, M.D.
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B. GORDON McCALL, M.D.
IMMEDIATE PAST CHIEF OF STAFF
CLAY G. CROWDER, M.D.
SECRETARY

October 3, 1988

Medicare Provider # 440011

MEDICARE HOSPITAL MORTALITY INFORMATION (1987)
COMMENTS FOR PUBLICATION

While our mortality rates in all categories fell withing the predicted ranges we did examine the data. A representative sample of the information was examined and no major problems were found regarding the accuracy of the information.

We also examined the diagnostic category of renal failure which showed a rate at the upper margins of the range in 1987 and slightly out of the range in 1986. This category contained only ten patients in 1987 and five in 1986, which contributed to the unreliability of the statistical inference. The 1987 date is accurate in that all ten patients were discharged from our hospital and the eight identified deaths did occur. Of the eight patients that died in 1987, six were given only supportive care because of their ages (mean age 84.2 years), the terminal nature of their conditions and the requests of the families. Of the other two deaths, one involved a massive malignancy which caused an obstruction of the renal system and subsequent renal failure, and the other patient had widespread vascular disease with cerebral and cardiac pathology as well. Both of these patients were assisted only to have an easier death.

We feel that mortality information regarding this type of patient population is not a useful measure of quality of care. The patients that we admit with renal failure are generally in a terminal state and are not candidates for dialysis or transplant. Neither are services that we offer as a community hospital. The overall utility of examining patients with conditions from which they are expected to die, such as many forms of cancer is questioned.

Joseph M Dawson

Joseph M. Dawson
Administrator

JMD:bl

BOLIVAR COMMUNITY HOSP

650 NUCKOLLS ROAD
BOLIVAR, TN 38008

Medicare Hospital Provider Number: 440181

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	401	17	9 - 18	451	16	10 - 18
Cancer	6	50	14 - 81	7	71	14 - 75
Cerebrovascular Accidents	15	33	9 - 56	22	50	12 - 53
Gastrointestinal Catastrophes	4	75	2 - 80	3	100	9 - 82
Infectious Disease	5	40	7 - 79	15	47	16 - 65
Metabolic/Electrolyte Disorders	15	13	5 - 48	31	26	10 - 45
Pulmonary Disease	45	36	16 - 46	47	32	17 - 45
Renal Failure	5	60	8 - 82	1	0	0 - 99
Severe Acute Heart Disease	19	53	18 - 61	19	63	21 - 63
Severe Chronic Heart Disease	11	27	9 - 60	15	20	9 - 51
Severe Trauma	1	0	0 - 98	0	-	-
Gastrointestinal Disease	35	3	0 - 46	40	0	0 - 21
Gynecologic Disease	5	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	45	4	1 - 22	72	4	1 - 14
Musculoskeletal/Skin Conditions	29	3	0 - 36	23	0	0 - 82
Neuropsychiatric/Sensory Disease	8	0	0 - 99	5	0	0 -100
Urologic Disease	11	0	0 -100	19	0	0 - 76

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	56
Occupancy Rate (%):	41
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	10
Percent of Physicians Who Are Board Certified Specialists:	40
Interns and Residents:	0
Registered Nurses:	28
Licensed Practical Nurses:	26

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BRADLEY CO MEM HOSP

CHAMBLISS AVE NW
CLEVELAND, TN 37311

Medicare Hospital Provider Number: 440024

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,735	11	9 - 14	1,673	11	9 - 14
Cancer	60	37	27 - 54	54	50	29 - 59
Cerebrovascular Accidents	62	23	16 - 39	53	36	15 - 42
Gastrointestinal Catastrophes	13	31	9 - 60	12	25	17 - 67
Infectious Disease	6	33	9 - 75	9	33	13 - 70
Metabolic/Electrolyte Disorders	23	30	10 - 51	25	16	11 - 46
Pulmonary Disease	125	26	17 - 36	120	17	15 - 32
Renal Failure	4	50	2 - 84	5	20	10 - 82
Severe Acute Heart Disease	67	45	26 - 51	61	52	26 - 52
Severe Chronic Heart Disease	87	26	15 - 35	65	23	12 - 34
Severe Trauma	2	0	2 - 89	3	33	1 - 88
Gastrointestinal Disease	140	1	1 - 6	126	1	1 - 7
Gynecologic Disease	20	0	0 -100	18	0	0 -100
Low-Risk Heart Disease	189	3	1 - 7	207	4	1 - 8
Musculoskeletal/Skin Conditions	161	1	0 - 7	137	1	1 - 6
Neuropsychiatric/Sensory Disease	54	4	0 - 46	40	2	0 - 33
Urologic Disease	133	1	0 - 9	128	3	0 - 13

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	221
Occupancy Rate (%):	53
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	80
Percent of Physicians Who Are Board Certified Specialists:	74
Interns and Residents:	0
Registered Nurses:	166
Licensed Practical Nurses:	85

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

BRADLEY MEMORIAL HOSPITAL
FOUNDED 1952

P. O. BOX 3060
CLEVELAND, TENNESSEE 37320-3060

HOWARD H. KUHNS
Administrator

October 21, 1988

Health Care Financing Administration
hHelath Standards and Quality Bureau
Meadows East Building, 2-D-2
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mr. Roper:

We appreciate your giving us the opportunity to respond to the mortality information before it is made public.

Our hospital and Medical Staff regularly review all deaths and any that fall outside pre-established criteria are reviewed again. However, since your statistics include any death within 30 days of discharge, we will be reviewing selected ones of these.

Utilizing the system that has been in use since hospital statistics have been gathered, (death occurring in your hospital) our death rate among the elderly is calculated at 9% for 1987. The predicted rate as quoted by you ranges from 9% to 14%. Most of our mortality rates fall in the low range. A couple fall slightly above midrange.

We are enclosing a corrected copy of the Hospital Characteristics.

We feel we are an exceptional hospital and are very proud of our quality health care and Medical Staff.

Sincerely,

Howard H. Kuhns

Howard H. Kuhns,
Administrator

HHK/zmm

enclosure

BRISTOL MEMORIAL HOSP-

209 MEMORIAL DR
BRISTOL, TN 37620

Medicare Hospital Provider Number: 440012

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,056	14	10 - 14	3,056	14	10 - 14
Cancer	159	45	31 - 51	170	44	30 - 50
Cerebrovascular Accidents	143	32	18 - 35	150	31	18 - 35
Gastrointestinal Catastrophes	27	26	18 - 55	16	31	14 - 60
Infectious Disease	14	43	12 - 62	18	67	18 - 62
Metabolic/Electrolyte Disorders	21	14	8 - 44	32	25	9 - 44
Pulmonary Disease	146	29	19 - 37	161	32	17 - 35
Renal Failure	17	59	14 - 70	20	50	13 - 69
Severe Acute Heart Disease	146	45	28 - 47	129	46	27 - 47
Severe Chronic Heart Disease	130	22	15 - 31	124	24	15 - 32
Severe Trauma	9	22	5 - 63	7	43	6 - 72
Gastrointestinal Disease	255	4	1 - 7	218	3	1 - 7
Gynecologic Disease	36	0	0 -100	33	0	0 -100
Low-Risk Heart Disease	344	4	1 - 6	301	4	1 - 7
Musculoskeletal/Skin Conditions	236	2	0 - 6	286	1	1 - 5
Neuropsychiatric/Sensory Disease	167	3	0 - 11	191	4	0 - 9
Urologic Disease	99	3	0 - 17	85	2	0 - 16

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	337
Occupancy Rate (%):	68
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	117
Percent of Physicians Who Are Board Certified Specialists:	76
Interns and Residents:	0
Registered Nurses:	217
Licensed Practical Nurses:	77

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

CARTHAGE GENERAL HOSP-

PO BOX 319 HWY 70
CARTHAGE, TN 37030

Medicare Hospital Provider Number: 440142

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	279	10	7 - 15	236	9	8 - 16
Cancer	5	80	16 - 83	3	33	5 - 87
Cerebrovascular Accidents	8	38	10 - 70	8	38	10 - 70
Gastrointestinal Catastrophes	1	0	3 - 98	2	50	4 - 93
Infectious Disease	0	-	-	5	60	13 - 84
Metabolic/Electrolyte Disorders	0	-	-	2	50	3 - 92
Pulmonary Disease	24	17	11 - 44	18	17	11 - 48
Renal Failure	1	0	0 - 98	1	0	0 -100
Severe Acute Heart Disease	11	73	18 - 69	6	67	18 - 83
Severe Chronic Heart Disease	15	7	10 - 43	11	0	13 - 45
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	36	0	0 - 24	23	0	0 - 68
Gynecologic Disease	1	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	38	3	1 - 20	46	4	0 - 26
Musculoskeletal/Skin Conditions	30	3	0 - 31	21	0	0 - 83
Neuropsychiatric/Sensory Disease	8	0	0 -100	7	0	0 -100
Urologic Disease	14	14	0 - 81	6	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	29
Occupancy Rate (%):	55
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	11
Percent of Physicians Who Are Board Certified Specialists:	64
Interns and Residents:	0
Registered Nurses:	11
Licensed Practical Nurses:	10

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

CHEATHAM MEDICAL CTR

115 RUTH DR
ASHLAND CITY, TN 37015

Medicare Hospital Provider Number: 440205

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	48	17	6 - 29	0	-	-
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	1	100	0 - 99	0	-	-
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	2	0	2 - 88	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	3	33	5 - 86	0	-	-
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	3	0	15 - 88	0	-	-
Severe Chronic Heart Disease	6	50	2 - 75	0	-	-
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	3	0	0 -100	0	-	-
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	6	0	0 - 99	0	-	-
Musculoskeletal/Skin Conditions	3	33	0 -100	0	-	-
Neuropsychiatric/Sensory Disease	0	-	-	0	-	-
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1988

Total Beds (#):	29
Ownership/Control:	Private, Non-profit

STAFFING

Interns and Residents:	3
Registered Nurses:	9
Licensed Practical Nurses:	11

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

CITY OF MILAN HOSP

710 S LIBERTY BOX 719
MILAN, TN 38358

Medicare Hospital Provider Number: 440060

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	382	19	11 - 20	451	18	10 - 18
Cancer	12	42	19 - 71	8	63	19 - 79
Cerebrovascular Accidents	24	33	12 - 50	23	48	15 - 55
Gastrointestinal Catastrophes	0	-	-	2	50	3 - 92
Infectious Disease	11	18	11 - 59	10	30	12 - 67
Metabolic/Electrolyte Disorders	5	40	9 - 80	5	40	7 - 79
Pulmonary Disease	45	36	15 - 44	45	44	15 - 46
Renal Failure	4	100	13 - 81	3	33	11 - 94
Severe Acute Heart Disease	19	68	20 - 61	22	41	23 - 63
Severe Chronic Heart Disease	28	36	11 - 46	18	22	10 - 50
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	42	0	0 - 22	44	7	0 - 27
Gynecologic Disease	3	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	51	0	1 - 10	58	0	1 - 9
Musculoskeletal/Skin Conditions	25	0	0 - 46	38	3	0 - 43
Neuropsychiatric/Sensory Disease	9	0	0 - 71	25	4	0 - 97
Urologic Disease	6	0	0 -100	14	0	0 - 56

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	72
Occupancy Rate (%):	29
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	8
Percent of Physicians Who Are Board Certified Specialists:	88
Interns and Residents:	0
Registered Nurses:	19
Licensed Practical Nurses:	17

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

CLAIBORNE CO HOSP

1000 OLD KNOXVILLE RD
TAZEWELL, TN 37879

Medicare Hospital Provider Number: 440057

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	782	14	9 - 15	843	13	9 - 15
Cancer	20	60	28 - 70	25	64	32 - 71
Cerebrovascular Accidents	42	36	19 - 48	31	23	14 - 45
Gastrointestinal Catastrophes	9	22	10 - 65	6	33	15 - 81
Infectious Disease	8	38	12 - 73	5	80	11 - 78
Metabolic/Electrolyte Disorders	9	11	3 - 58	4	0	0 - 81
Pulmonary Disease	64	27	14 - 38	63	35	19 - 45
Renal Failure	3	33	2 - 88	0	-	-
Severe Acute Heart Disease	19	58	20 - 63	29	34	22 - 57
Severe Chronic Heart Disease	35	26	11 - 41	36	31	13 - 43
Severe Trauma	0	-	-	2	0	2 - 89
Gastrointestinal Disease	99	2	0 - 11	97	2	0 - 11
Gynecologic Disease	7	0	0 -100	11	9	0 -100
Low-Risk Heart Disease	92	4	0 - 14	105	2	1 - 9
Musculoskeletal/Skin Conditions	70	3	0 - 15	76	1	0 - 12
Neuropsychiatric/Sensory Disease	36	0	0 - 19	22	0	0 - 69
Urologic Disease	31	10	0 - 52	36	11	0 - 73

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	135
Occupancy Rate (%):	66
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	13
Percent of Physicians Who Are Board Certified Specialists:	92
Interns and Residents:	0
Registered Nurses:	27
Licensed Practical Nurses:	33

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

CLARKSVILLE MEMORIAL HOSP

1771 MADISON ST
CLARKSVILLE, TN 37040

Medicare Hospital Provider Number: 440035

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,649	14	10 - 15	1,658	13	9 - 14
Cancer	38	58	30 - 63	46	61	26 - 57
Cerebrovascular Accidents	66	21	17 - 38	78	24	19 - 39
Gastrointestinal Catastrophes	13	38	6 - 60	13	23	10 - 59
Infectious Disease	27	15	21 - 52	24	25	19 - 56
Metabolic/Electrolyte Disorders	17	35	6 - 54	16	31	7 - 54
Pulmonary Disease	105	37	21 - 42	105	31	18 - 39
Renal Failure	15	53	16 - 74	14	57	20 - 79
Severe Acute Heart Disease	55	55	28 - 56	51	49	30 - 58
Severe Chronic Heart Disease	84	29	16 - 36	71	24	14 - 35
Severe Trauma	1	0	0 - 98	0	-	-
Gastrointestinal Disease	140	3	1 - 9	129	5	1 - 12
Gynecologic Disease	22	0	0 -100	11	0	0 -100
Low-Risk Heart Disease	139	4	1 - 9	150	3	1 - 9
Musculoskeletal/Skin Conditions	169	2	1 - 7	186	1	0 - 6
Neuropsychiatric/Sensory Disease	59	2	0 - 19	71	1	0 - 26
Urologic Disease	112	3	0 - 13	119	1	0 - 12

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	212
Occupancy Rate (%):	56
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	72
Percent of Physicians Who Are Board Certified Specialists:	72
Interns and Residents:	0
Registered Nurses:	135
Licensed Practical Nurses:	105

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Clarksville Memorial Hospital
Clarksville, Tennessee 37040
(615) 552-6622

October 3, 1988

#440035

HOSPITAL COMMENTS ON HCFA MORTALITY DATA FOR 1987

Clarksville Memorial Hospital is the only hospital in Montgomery County, a county of 96,845 people. The hospital serves an area of about 125,000. It is a referral hospital for several outlying counties having limited access to medical care. Some of these counties have socio-economic problems such as a high unemployment rate. These factors often cause people to delay seeking medical care.

Our hospital treats many chronic conditons, in particular, renal and pulmonary diseases. These seriously ill patients are served in our county due to the availability of a dialysis center to treat chronic kidney disease and a pulmonary specialist who treats illnesses such as chronic lung disease.

We also have a hospital based Home Health/Hospice Program and an oncologist which means we keep and treat many of our cancer patients until their death rather than transferring them to a referral center. During the latter part of their life, these patients often have to be hospitalized and sometimes die shortly after they are discharged from our hospital. In addition, we accept transfers back from metropolitan hospitals of terminally ill patients to our Hospice Program who want to be near home and their family until their death.

Because we have a large, fully staffed, emergency room we receive and admit patients with all types of injuries and illnesses - some of which are fatal.

In our County, there are several nursing homes but very few beds available for patients requiring a "skilled" level of care; therefore, these patients often remain in our hospital longer and may die here or are often transferred back here from a nursing home when close to death.

Our hospital is very committed to the high quality care mandated by our hospital-wide quality assurance program. A vital part of our quality assurance process is the review of each in-patient death according to written guidelines. Any questionable situation is promptly referred to the medical staff for physician review. Any indication of a quality problem triggers an investigation to determine if a problem actually exists. If a problem is found, prompt action is taken to correct the problem and follow-up is done to assure the problem does not reoccur.

This mortality data involves only medicare patients. It also involves only those patients who died within 30 days of their last admission to this hospital in 1987 and therefore include some who died after discharge from this hospital. Our hospital cannot analyze this element of the data which is collected through social security statistics. This means that some people whose death was not related to their hospitalization could be included in these statistics.

CLAY CO HOSP
MCARTHUR ST
CELINA, TN 38551

Medicare Hospital Provider Number: 440141

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	262	6	7 - 14	222	8	7 - 15
Cancer	0	-	-	3	33	7 - 88
Cerebrovascular Accidents	2	50	2 - 92	2	50	1 - 92
Gastrointestinal Catastrophes	1	100	1 - 97	1	100	0 - 98
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	5	40	3 - 78	5	40	10 - 81
Pulmonary Disease	23	22	16 - 51	20	20	11 - 48
Renal Failure	1	100	2 -100	0	-	-
Severe Acute Heart Disease	5	20	11 - 77	3	67	7 - 88
Severe Chronic Heart Disease	5	0	6 - 63	9	11	8 - 57
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	34	0	0 - 19	27	0	1 - 22
Gynecologic Disease	2	0	0 -100	0	-	-
Low-Risk Heart Disease	50	0	1 - 11	40	5	0 - 29
Musculoskeletal/Skin Conditions	27	4	0 - 74	25	4	0 - 84
Neuropsychiatric/Sensory Disease	5	0	0 -100	4	0	0 -100
Urologic Disease	2	0	0 -100	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	36
Occupancy Rate (%):	53
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	3
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	0
Registered Nurses:	13
Licensed Practical Nurses:	16

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

CLEVELAND COMMUNITY HOSP

2800 WEST SIDE DR NW
CLEVELAND, TN 37311

Medicare Hospital Provider Number: 440185

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	400	12	8 - 16	393	13	8 - 15
Cancer	6	50	10 - 77	8	63	21 - 81
Cerebrovascular Accidents	13	31	11 - 60	12	33	10 - 61
Gastrointestinal Catastrophes	4	50	4 - 82	1	100	0 -100
Infectious Disease	5	40	10 - 81	3	67	12 - 93
Metabolic/Electrolyte Disorders	10	30	3 - 63	10	20	2 - 63
Pulmonary Disease	30	13	13 - 41	34	9	8 - 33
Renal Failure	3	33	1 - 88	2	50	1 - 93
Severe Acute Heart Disease	16	63	17 - 62	21	52	17 - 59
Severe Chronic Heart Disease	25	24	11 - 45	19	32	7 - 49
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	21	5	0 - 87	32	3	0 - 55
Gynecologic Disease	2	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	43	2	0 - 23	40	5	0 - 36
Musculoskeletal/Skin Conditions	25	4	0 - 71	26	8	0 - 78
Neuropsychiatric/Sensory Disease	16	0	0 - 75	12	0	0 -100
Urologic Disease	43	0	0 - 27	35	3	0 - 85

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	100
Occupancy Rate (%):	33
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

COCKE CO BAPTIST HOSP INC

702 710 2ND ST
NEWPORT, TN 37821

Medicare Hospital Provider Number: 440153

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	563	13	9 - 15	607	14	9 - 15
Cancer	8	75	19 - 76	9	78	16 - 70
Cerebrovascular Accidents	26	42	13 - 51	22	27	12 - 50
Gastrointestinal Catastrophes	1	0	0 - 99	2	50	6 - 95
Infectious Disease	8	0	12 - 54	5	80	17 - 83
Metabolic/Electrolyte Disorders	13	31	11 - 61	5	20	1 - 79
Pulmonary Disease	39	23	11 - 40	47	38	19 - 48
Renal Failure	6	100	24 - 82	1	100	0 - 98
Severe Acute Heart Disease	21	48	22 - 63	33	30	24 - 56
Severe Chronic Heart Disease	36	14	10 - 35	35	11	14 - 38
Severe Trauma	2	0	3 - 88	0	-	-
Gastrointestinal Disease	51	2	0 - 16	71	3	0 - 19
Gynecologic Disease	3	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	86	5	1 - 14	81	5	1 - 15
Musculoskeletal/Skin Conditions	41	0	0 - 17	52	2	1 - 15
Neuropsychiatric/Sensory Disease	19	5	0 - 64	21	5	0 - 82
Urologic Disease	21	10	0 - 85	24	0	0 - 40

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	105
Occupancy Rate (%):	73
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	14
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	43
Licensed Practical Nurses:	22

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

COFFEE MEDICAL CENTER

1001 MCARTHUR DR
MANCHESTER, TN 37355

Medicare Hospital Provider Number: 440007

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	292	14	8 - 17	300	11	7 - 15
Cancer	2	50	4 - 93	4	50	4 - 82
Cerebrovascular Accidents	15	47	16 - 63	15	13	11 - 50
Gastrointestinal Catastrophes	2	50	8 - 96	2	0	4 - 88
Infectious Disease	1	0	0 -100	0	-	-
Metabolic/Electrolyte Disorders	7	14	4 - 65	3	0	8 - 81
Pulmonary Disease	24	33	14 - 52	26	31	13 - 49
Renal Failure	2	100	11 - 96	2	50	2 - 93
Severe Acute Heart Disease	10	60	14 - 69	13	54	17 - 67
Severe Chronic Heart Disease	17	18	7 - 46	12	17	6 - 52
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	19	0	0 - 59	41	0	0 - 15
Gynecologic Disease	3	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	61	2	0 - 15	63	0	1 - 8
Musculoskeletal/Skin Conditions	23	4	0 - 84	17	0	0 - 81
Neuropsychiatric/Sensory Disease	9	0	0 - 93	9	0	0 -100
Urologic Disease	14	7	0 - 99	6	17	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	60
Ownership/Control:	Local Government

STAFFING

Interns and Residents:	0
Registered Nurses:	19
Licensed Practical Nurses:	11

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

COOKVILLE GENERAL HOSP

142 W 5TH ST
COOKEVILLE, TN 38501

Medicare Hospital Provider Number: 440059

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,505	12	9 - 13	1,587	11	9 - 14
Cancer	34	53	26 - 61	25	48	23 - 63
Cerebrovascular Accidents	64	31	17 - 41	55	22	18 - 41
Gastrointestinal Catastrophes	10	40	10 - 67	7	14	11 - 68
Infectious Disease	15	40	12 - 60	18	22	18 - 59
Metabolic/Electrolyte Disorders	18	39	14 - 59	43	28	13 - 45
Pulmonary Disease	87	26	17 - 38	98	17	15 - 34
Renal Failure	14	57	17 - 75	10	80	19 - 79
Severe Acute Heart Disease	36	47	26 - 59	41	32	27 - 57
Severe Chronic Heart Disease	73	37	15 - 38	79	38	16 - 38
Severe Trauma	2	0	3 - 88	2	50	5 - 94
Gastrointestinal Disease	182	3	1 - 8	140	1	1 - 7
Gynecologic Disease	14	0	0 - 99	15	0	0 -100
Low-Risk Heart Disease	132	2	1 - 8	171	4	1 - 9
Musculoskeletal/Skin Conditions	152	1	1 - 7	142	1	2 - 7
Neuropsychiatric/Sensory Disease	28	4	0 - 34	35	3	0 - 54
Urologic Disease	126	2	0 - 12	136	2	0 - 10

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	131
Occupancy Rate (%):	66
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	50
Percent of Physicians Who Are Board Certified Specialists:	66
Interns and Residents:	0
Registered Nurses:	60
Licensed Practical Nurses:	90

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

COPPER BASIN MEDICAL CENTER

HWY 68 BOX X
COPPERHILL, TN 37317

Medicare Hospital Provider Number: 440041

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	255	8	8 - 16	293	12	10 - 18
Cancer	4	75	11 - 84	4	50	13 - 88
Cerebrovascular Accidents	9	33	11 - 68	6	67	8 - 74
Gastrointestinal Catastrophes	1	0	1 - 97	3	67	1 - 87
Infectious Disease	1	0	0 - 98	2	0	1 - 92
Metabolic/Electrolyte Disorders	5	0	3 - 65	4	25	9 - 82
Pulmonary Disease	18	17	17 - 54	40	10	17 - 40
Renal Failure	1	0	0 -100	1	0	0 - 98
Severe Acute Heart Disease	7	0	12 - 57	9	56	17 - 75
Severe Chronic Heart Disease	7	0	11 - 56	14	21	6 - 51
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	17	0	0 - 47	30	0	0 - 40
Gynecologic Disease	3	0	0 -100	0	-	-
Low-Risk Heart Disease	46	0	1 - 11	52	6	1 - 20
Musculoskeletal/Skin Conditions	15	7	0 - 88	17	6	0 - 49
Neuropsychiatric/Sensory Disease	9	0	0 -100	9	0	0 -100
Urologic Disease	12	8	0 - 74	8	25	5 - 64

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	44
Occupancy Rate (%):	36
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

CROCKETT GENERAL HOSP

HWY 43 S BOX 726
LAWRENCEBURG, TN 38464

Medicare Hospital Provider Number: 440175

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	576	16	10 - 17	622	13	9 - 15
Cancer	13	54	24 - 75	16	56	25 - 72
Cerebrovascular Accidents	20	35	15 - 56	23	43	13 - 52
Gastrointestinal Catastrophes	3	0	6 - 80	6	33	8 - 75
Infectious Disease	1	100	2 - 97	3	0	3 - 79
Metabolic/Electrolyte Disorders	7	29	4 - 69	6	67	5 - 73
Pulmonary Disease	42	19	13 - 39	30	17	15 - 44
Renal Failure	4	75	15 - 91	1	0	2 - 98
Severe Acute Heart Disease	29	45	23 - 59	17	35	19 - 63
Severe Chronic Heart Disease	61	31	13 - 38	56	23	15 - 39
Severe Trauma	1	0	0 - 99	0	-	-
Gastrointestinal Disease	66	2	0 - 13	74	4	0 - 18
Gynecologic Disease	6	0	0 -100	11	0	0 -100
Low-Risk Heart Disease	89	2	1 - 10	67	4	0 - 17
Musculoskeletal/Skin Conditions	30	0	0 - 25	47	2	0 - 36
Neuropsychiatric/Sensory Disease	5	0	0 -100	14	0	0 -100
Urologic Disease	13	8	0 -100	19	0	0 - 99

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 62
Occupancy Rate (%): 48
Ownership/Control: Private, For Profit

STAFFING

Total Number of Physicians: 20
Percent of Physicians Who Are Board Certified Specialists: 80
Interns and Residents: 0
Registered Nurses: 26
Licensed Practical Nurses: 21

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

CUMBERLAND MEDICAL CENTER

811 S MAIN ST
CROSSVILLE, TN 38555

Medicare Hospital Provider Number: 440009

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,650	9	8 - 13	1,624	10	9 - 14
Cancer	44	50	30 - 62	34	56	29 - 63
Cerebrovascular Accidents	47	38	17 - 45	52	42	18 - 45
Gastrointestinal Catastrophes	7	43	9 - 74	13	23	14 - 62
Infectious Disease	9	33	11 - 69	10	30	15 - 69
Metabolic/Electrolyte Disorders	6	33	3 - 74	7	14	7 - 65
Pulmonary Disease	139	18	18 - 34	134	23	16 - 34
Renal Failure	7	57	19 - 88	7	57	16 - 85
Severe Acute Heart Disease	51	47	27 - 55	69	42	28 - 52
Severe Chronic Heart Disease	59	19	13 - 35	76	16	13 - 31
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	228	2	1 - 6	208	1	1 - 6
Gynecologic Disease	22	0	0 -100	16	0	0 -100
Low-Risk Heart Disease	200	1	2 - 6	196	3	2 - 8
Musculoskeletal/Skin Conditions	185	3	1 - 7	131	2	0 - 8
Neuropsychiatric/Sensory Disease	52	0	0 - 14	55	2	0 - 31
Urologic Disease	85	0	0 - 8	67	1	0 - 16

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 184
Occupancy Rate (%): 60
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 38
Percent of Physicians Who Are Board Certified Specialists: 66
Interns and Residents: 0
Registered Nurses: 45
Licensed Practical Nurses: 76

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

DECATUR CO GENERAL HOSP-

1200 TENNESSEE ST BOX 249
PARSONS, TN 38363

Medicare Hospital Provider Number: 440070

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	384	14	9 - 17	418	13	9 - 17
Cancer	6	67	12 - 78	9	56	18 - 76
Cerebrovascular Accidents	9	33	9 - 66	17	29	9 - 53
Gastrointestinal Catastrophes	0	-	-	1	0	2 - 97
Infectious Disease	6	67	8 - 75	5	80	6 - 75
Metabolic/Electrolyte Disorders	4	0	11 - 75	12	17	4 - 54
Pulmonary Disease	44	30	18 - 46	26	27	21 - 56
Renal Failure	1	0	0 - 99	1	100	2 -100
Severe Acute Heart Disease	15	73	21 - 65	11	36	15 - 68
Severe Chronic Heart Disease	18	22	10 - 49	26	38	17 - 54
Severe Trauma	2	0	2 - 88	1	100	1 - 97
Gastrointestinal Disease	29	10	0 - 59	23	0	0 - 75
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	62	0	1 - 9	68	1	1 - 12
Musculoskeletal/Skin Conditions	44	2	0 - 56	41	0	0 - 22
Neuropsychiatric/Sensory Disease	11	9	0 -100	16	0	0 - 42
Urologic Disease	5	0	0 -100	9	0	0 - 95

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	40
Occupancy Rate (%):	70
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	7
Percent of Physicians Who Are Board Certified Specialists:	86
Interns and Residents:	0
Registered Nurses:	17
Licensed Practical Nurses:	9

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

DEKALB GENERAL HOSP

PO BOX 640
SMITHVILLE, TN 37166

Medicare Hospital Provider Number: 440148

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	290	11	10 - 18	372	9	9 - 16
Cancer	3	67	10 - 91	7	29	20 - 82
Cerebrovascular Accidents	14	21	11 - 55	10	10	9 - 54
Gastrointestinal Catastrophes	2	0	3 - 88	1	100	1 - 97
Infectious Disease	3	0	3 - 79	4	50	14 - 90
Metabolic/Electrolyte Disorders	8	0	15 - 58	5	0	3 - 64
Pulmonary Disease	34	26	17 - 48	45	20	17 - 42
Renal Failure	1	100	3 - 98	2	50	1 - 93
Severe Acute Heart Disease	11	73	16 - 66	13	54	15 - 65
Severe Chronic Heart Disease	18	17	10 - 47	20	5	9 - 36
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	26	0	0 - 42	46	2	0 - 37
Gynecologic Disease	5	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	41	0	1 - 14	58	0	1 - 9
Musculoskeletal/Skin Conditions	16	0	1 - 34	14	0	0 - 96
Neuropsychiatric/Sensory Disease	2	0	0 -100	10	0	0 - 79
Urologic Disease	14	0	0 -100	11	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	54
Occupancy Rate (%):	41
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

DIAGNOSTIC CENTER HOSP

2412 MCCALLIE AVE
CHATTANOOGA, TN 37404

Medicare Hospital Provider Number: 440162

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	429	13	9 - 16	551	12	11 - 17
Cancer	9	44	13 - 71	15	53	30 - 78
Cerebrovascular Accidents	15	13	10 - 49	18	33	10 - 53
Gastrointestinal Catastrophes	0	-	-	2	50	3 - 92
Infectious Disease	2	0	1 - 89	6	17	10 - 72
Metabolic/Electrolyte Disorders	6	17	8 - 71	7	14	2 - 66
Pulmonary Disease	52	25	12 - 37	54	22	12 - 37
Renal Failure	1	0	0 - 99	2	0	2 - 89
Severe Acute Heart Disease	17	59	13 - 59	21	33	23 - 62
Severe Chronic Heart Disease	45	27	11 - 38	57	19	14 - 36
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	20	0	0 - 36	14	0	0 - 70
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	97	1	1 - 8	116	2	1 - 8
Musculoskeletal/Skin Conditions	17	6	0 - 95	22	0	0 - 69
Neuropsychiatric/Sensory Disease	8	0	0 - 83	7	14	0 -100
Urologic Disease	2	0	0 -100	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1988

Total Beds (#):	80
Ownership/Control:	Private, For Profit

STAFFING

Interns and Residents:	0
Registered Nurses:	19
Licensed Practical Nurses:	11

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

DOCTORS HOSP

404 COLLEGE ST BOX 637
SMITHVILLE, TN 37166

Medicare Hospital Provider Number: 440055

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	248	11	10 - 18	296	10	9 - 17
Cancer	4	50	12 - 88	7	71	26 - 87
Cerebrovascular Accidents	12	8	15 - 54	9	33	6 - 64
Gastrointestinal Catastrophes	2	0	0 - 92	2	0	4 - 89
Infectious Disease	0	-	-	1	0	0 - 98
Metabolic/Electrolyte Disorders	2	0	1 - 90	1	0	0 - 98
Pulmonary Disease	35	11	12 - 37	41	27	12 - 41
Renal Failure	1	0	2 - 97	1	0	2 - 97
Severe Acute Heart Disease	12	25	16 - 64	14	14	26 - 66
Severe Chronic Heart Disease	13	46	7 - 59	14	7	8 - 43
Severe Trauma	1	0	0 - 99	0	-	-
Gastrointestinal Disease	23	0	1 - 22	31	3	0 - 46
Gynecologic Disease	4	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	37	11	1 - 33	33	0	0 - 18
Musculoskeletal/Skin Conditions	15	0	0 - 88	29	3	0 - 38
Neuropsychiatric/Sensory Disease	6	17	0 - 98	3	0	0 -100
Urologic Disease	16	0	0 - 96	13	0	0 - 93

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	15
Occupancy Rate (%):	(not available)
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	(not available)
Burn Unit:	(not available)
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	(not available)
Organ Transplant Service:	(not available)
Hospice Care:	(not available)

DOWNTOWN GENERAL HOSP

709 WALNUT ST
CHATTANOOGA, TN 37402

Medicare Hospital Provider Number: 440121

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	392	13	10 - 18	482	10	10 - 16
Cancer	12	42	26 - 78	17	35	21 - 66
Cerebrovascular Accidents	15	40	10 - 58	27	22	14 - 47
Gastrointestinal Catastrophes	3	0	9 - 82	0	-	-
Infectious Disease	15	13	16 - 55	3	33	7 - 88
Metabolic/Electrolyte Disorders	5	0	1 - 74	3	0	0 - 87
Pulmonary Disease	38	26	15 - 44	37	27	12 - 43
Renal Failure	3	67	6 - 88	3	67	10 - 92
Severe Acute Heart Disease	13	31	15 - 63	15	20	21 - 63
Severe Chronic Heart Disease	19	47	7 - 52	25	12	12 - 41
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	35	0	1 - 17	37	0	0 - 17
Gynecologic Disease	2	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	54	2	1 - 15	59	0	1 - 9
Musculoskeletal/Skin Conditions	25	8	0 - 65	26	0	0 - 29
Neuropsychiatric/Sensory Disease	4	0	0 -100	14	7	0 - 97
Urologic Disease	9	22	0 -100	10	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	65
Occupancy Rate (%):	28
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	12
Percent of Physicians Who Are Board Certified Specialists:	50
Interns and Residents:	0
Registered Nurses:	18
Licensed Practical Nurses:	5

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

EAST TENNESSEE BAPTIST HOSP-

137 BLOUNT AV BOX 1788
KNOXVILLE, TN 37901

Medicare Hospital Provider Number: 440019

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,368	11	9 - 13	3,508	11	9 - 13
Cancer	143	38	33 - 54	152	30	30 - 51
Cerebrovascular Accidents	131	26	19 - 35	113	24	18 - 36
Gastrointestinal Catastrophes	17	12	18 - 55	18	28	16 - 59
Infectious Disease	34	38	19 - 54	31	39	19 - 56
Metabolic/Electrolyte Disorders	41	22	12 - 43	27	26	7 - 45
Pulmonary Disease	141	27	16 - 34	150	20	16 - 33
Renal Failure	14	36	15 - 73	11	45	13 - 76
Severe Acute Heart Disease	158	31	27 - 44	138	40	28 - 46
Severe Chronic Heart Disease	120	22	14 - 30	125	30	15 - 33
Severe Trauma	7	29	5 - 70	10	20	7 - 61
Gastrointestinal Disease	203	2	1 - 7	240	2	1 - 7
Gynecologic Disease	45	0	0 -100	55	0	0 -100
Low-Risk Heart Disease	541	3	2 - 5	657	5	2 - 6
Musculoskeletal/Skin Conditions	243	4	0 - 8	295	1	1 - 5
Neuropsychiatric/Sensory Disease	109	3	0 - 12	116	2	0 - 11
Urologic Disease	111	1	0 - 10	105	2	0 - 12

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	337
Occupancy Rate (%):	71
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

440019

Baptist Hospital
A Part Of The Baptist Health System Of East Tennessee

RESPONSE TO MORTALITY STATISTICS

East Tennessee Baptist Hospital submits the following comments in response to the Mortality Statistics of Medicare patients released by the Healthcare Financing Administration (HCFA). Although our actual mortality rates continue to be well within the expected ranges, we remain concerned about the reliability and validity of the data, as well as any conclusions or comparisons that might be drawn as a result of the release of this information.

Our first concern is with the statistical method used to develop the data. Specifically, we are concerned that this approach does not include all of the factors influencing death. Situations and elements such as general health, living conditions, and the patient's adherence to prescribed treatment following discharge are not taken into consideration.

Also, the method only states that a hospital's mortality rate differs from the average. It does not address why the rates are different, or whether the differences are good or bad. This information alone is not an indicator of the presence or absence of quality care. Certainly the analysis of one's mortality rate is important; however, that is only one of the mechanisms used to evaluate the quality of care rendered by a physician or hospital. Mortality rates alone cannot be used to reliably determine whether or not a problem exists.

Another reason that we feel this information is inappropriate is that it does not include any of the surrounding factors and situations that influence the type and seriousness of patients treated. For example, East Tennessee Baptist Hospital is very well known and very well respected for its Cancer Program, its Heart Program, and its Trauma Program. As a regional referral center, East Tennessee Baptist Hospital treats a disproportionately high number of seriously ill patients. This is demonstrated by the fact that East Tennessee Baptist Hospital has the second highest case mix index, which is an overall measure of severity of illness, of any hospital in this area. Higher death rates are to be expected in large referral centers receiving and treating patients extremely ill upon admission. This, however, is not reflected in this study.

P.O. Box 1788
137 Blount Avenue
Knoxville, Tennessee 37901
(615) 632-5081

Additionally, East Tennessee Baptist Hospital is very involved in numerous investigational programs. Many patients, particularly in the area of cancer treatment, come to Baptist Hospital because all other, more conventional, approaches have been exhausted. Again, a higher death rate is a given factor and to be expected.

As a result of these and other issues, one cannot reach a valid conclusion by simply comparing the mortality rate of one hospital with the mortality rate of another hospital. It simply is not appropriate to make these comparisons without taking into consideration the many other factors and situations.

In conclusion, we would like to correct some misinformation provided by HCFA. Three of the four speciality services listed for East Tennessee Baptist Hospital under hospital characteristics are incorrect. East Tennessee Baptist Hospital does indeed have a Coronary Care Unit, as well as a Hospice. The hospital, however, does not currently provide Organ Transplant Services.

10/21/88

James L. Goodloe
Vice President
Professional Services

EASTWOOD HOSP INC

3000 GETWELL RD
MEMPHIS, TN 38114

Medicare Hospital Provider Number: 440159

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	798	11	8 - 14	874	13	9 - 14
Cancer	13	38	14 - 65	16	56	25 - 71
Cerebrovascular Accidents	45	13	14 - 36	42	33	17 - 46
Gastrointestinal Catastrophes	5	40	4 - 78	7	14	12 - 69
Infectious Disease	15	33	15 - 62	13	69	22 - 71
Metabolic/Electrolyte Disorders	16	13	7 - 48	14	50	10 - 61
Pulmonary Disease	41	29	12 - 42	43	33	15 - 45
Renal Failure	1	0	2 - 98	5	80	11 - 82
Severe Acute Heart Disease	21	38	25 - 66	30	43	24 - 60
Severe Chronic Heart Disease	53	23	13 - 36	28	21	11 - 43
Severe Trauma	1	100	0 - 98	1	0	0 - 98
Gastrointestinal Disease	52	6	0 - 34	65	2	0 - 13
Gynecologic Disease	6	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	117	3	1 - 10	121	4	1 - 10
Musculoskeletal/Skin Conditions	40	2	0 - 32	80	1	0 - 12
Neuropsychiatric/Sensory Disease	34	3	0 - 64	58	3	0 - 42
Urologic Disease	55	0	0 - 18	49	2	0 - 46

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	181
Occupancy Rate (%):	54
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	65
Percent of Physicians Who Are Board Certified Specialists:	60
Interns and Residents:	0
Registered Nurses:	85
Licensed Practical Nurses:	16

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

EDGEFIELD HOSP

610 GALLATIN RD
NASHVILLE, TN 37206

Medicare Hospital Provider Number: 440026

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	550	17	11 - 18	574	16	11 - 18
Cancer	10	20	19 - 69	20	35	20 - 62
Cerebrovascular Accidents	27	37	14 - 50	27	19	13 - 44
Gastrointestinal Catastrophes	4	0	4 - 71	3	0	8 - 81
Infectious Disease	10	70	19 - 73	14	50	15 - 66
Metabolic/Electrolyte Disorders	18	28	10 - 54	17	29	13 - 58
Pulmonary Disease	44	25	16 - 43	38	37	15 - 46
Renal Failure	3	67	8 - 91	3	67	6 - 88
Severe Acute Heart Disease	27	67	26 - 62	29	45	20 - 56
Severe Chronic Heart Disease	25	24	14 - 48	30	20	11 - 41
Severe Trauma	0	-	-	1	0	2 - 97
Gastrointestinal Disease	43	7	0 - 39	55	4	1 - 18
Gynecologic Disease	6	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	56	4	1 - 17	65	3	1 - 14
Musculoskeletal/Skin Conditions	32	9	0 - 67	36	6	1 - 27
Neuropsychiatric/Sensory Disease	14	0	0 - 64	12	0	0 - 89
Urologic Disease	22	5	0 - 80	20	0	0 - 94

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	97
Occupancy Rate (%):	(not available)
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	(not available)
Burn Unit:	(not available)
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	(not available)
Organ Transplant Service:	(not available)
Hospice Care:	(not available)

EMERALD HODGSON HOSP

UNIVERSITY AV
SEWANEE, TN 37375

Medicare Hospital Provider Number: 440005

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	169	17	9 - 21	347	17	8 - 17
Cancer	4	75	16 - 89	9	56	18 - 76
Cerebrovascular Accidents	3	67	4 - 86	9	33	7 - 65
Gastrointestinal Catastrophes	1	0	0 - 99	3	33	3 - 86
Infectious Disease	6	33	9 - 75	6	67	8 - 75
Metabolic/Electrolyte Disorders	3	33	0 - 91	7	29	4 - 69
Pulmonary Disease	17	41	14 - 59	30	47	15 - 51
Renal Failure	0	-	-	1	0	0 - 99
Severe Acute Heart Disease	5	20	16 - 82	5	40	10 - 80
Severe Chronic Heart Disease	10	10	3 - 52	21	48	9 - 51
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	14	14	0 - 77	26	0	0 - 24
Gynecologic Disease	0	-	-	4	0	0 -100
Low-Risk Heart Disease	17	12	0 - 59	57	2	0 - 15
Musculoskeletal/Skin Conditions	10	0	0 - 98	23	0	0 - 56
Neuropsychiatric/Sensory Disease	6	0	0 - 96	12	0	0 - 99
Urologic Disease	2	0	0 -100	11	18	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	42
Ownership/Control:	Church

STAFFING

Interns and Residents:	0
Registered Nurses:	15
Licensed Practical Nurses:	20

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ERLANGER MEDICAL CENTER

975 EAST THIRD ST
CHATTANOOGA, TN 37403

Medicare Hospital Provider Number: 440104

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,629	11	10 - 14	3,567	11	10 - 14
Cancer	145	31	32 - 52	130	24	32 - 53
Cerebrovascular Accidents	112	31	17 - 36	129	26	19 - 36
Gastrointestinal Catastrophes	26	50	21 - 61	33	24	19 - 53
Infectious Disease	30	53	24 - 62	29	45	22 - 60
Metabolic/Electrolyte Disorders	55	38	19 - 50	50	34	16 - 47
Pulmonary Disease	142	22	19 - 36	150	32	19 - 38
Renal Failure	42	26	12 - 60	40	25	16 - 64
Severe Acute Heart Disease	107	32	26 - 46	116	34	27 - 47
Severe Chronic Heart Disease	138	24	15 - 31	131	21	14 - 30
Severe Trauma	25	24	12 - 51	13	31	6 - 59
Gastrointestinal Disease	184	3	2 - 8	192	5	1 - 9
Gynecologic Disease	27	0	0 -100	31	3	0 - 31
Low-Risk Heart Disease	471	4	2 - 6	447	5	2 - 7
Musculoskeletal/Skin Conditions	366	1	1 - 5	295	4	1 - 7
Neuropsychiatric/Sensory Disease	268	4	1 - 8	357	2	1 - 5
Urologic Disease	114	4	0 - 21	93	1	0 - 12

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	536
Occupancy Rate (%):	73
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	340
Percent of Physicians Who Are Board Certified Specialists:	75
Interns and Residents:	0
Registered Nurses:	560
Licensed Practical Nurses:	143

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	Yes
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

Medicare Provider #: 440104

CHATTANOOGA-HAMILTON COUNTY HOSPITAL AUTHORITY

ERLANGER MEDICAL CENTER

975 E. Third Street
Chattanooga, Tennessee
37403
(615) 778-7000

October 3, 1988

Health Standards and Quality Bureau, HCFA
Ms. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Ms. Kappert:

Listed are the corrections that should be made to our "Hospital Characteristics" section of the Medicare Mortality information:

Number Beds:	511
Occupancy Rate (%):	75.12
Number Physicians:	641
% of Physicians who are Board Certified Specialists:	73
Interns and Residents per bed:	0.14
Registered Nurses per bed:	0.48
Licensed Practical Nurses Per Bed:	0.30

Also, we contract all of our Hospice Care through Hospice of Chattanooga. Therefore, Hospice Care is available to all patients at our Medical Center.

If you have any questions about these changes, please call me at (615) 778-7642.

Sincerely,

Jeannine C. Williamson

Jeannine Williamson
Clinical Data Analyst

352/omh

cc: James Grogan, Ph.D., Senior Vice President,
Medical Affairs

Baroness Erlanger Hospital

T. C. Thompson
Children's Hospital
Medical Center

Willie D. Miller Eye Center

FENTRESS CO GENERAL HOSP

HWY 52 W DRAWER N
JAMESTOWN , TN 38556

Medicare Hospital Provider Number: 440083

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	447	11	9 - 15	506	14	12 - 19
Cancer	5	60	13 - 83	8	75	17 - 74
Cerebrovascular Accidents	6	0	8 - 58	21	38	19 - 59
Gastrointestinal Catastrophes	3	100	11 - 83	1	0	0 - 98
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	1	0	0 -100	6	33	12 - 78
Pulmonary Disease	32	38	19 - 53	80	17	18 - 38
Renal Failure	3	0	15 - 90	2	50	6 - 96
Severe Acute Heart Disease	26	27	21 - 56	22	59	24 - 64
Severe Chronic Heart Disease	18	39	5 - 51	31	35	14 - 48
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	56	4	1 - 16	46	2	0 - 19
Gynecologic Disease	4	0	0 -100	0	-	-
Low-Risk Heart Disease	78	3	0 - 13	71	1	1 - 11
Musculoskeletal/Skin Conditions	27	7	0 - 67	41	0	0 - 17
Neuropsychiatric/Sensory Disease	12	0	0 - 92	17	0	0 - 55
Urologic Disease	12	8	0 -100	15	0	0 - 99

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	72
Occupancy Rate (%):	58
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	9
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	0
Registered Nurses:	13
Licensed Practical Nurses:	24

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

FORT SANDERS REGIONAL MEDICAL CENTER

1901 CLINCH AVE
KNOXVILLE, TN 37916

Medicare Hospital Provider Number: 440125

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,046	9	8 - 12	3,095	10	8 - 12
Cancer	124	27	28 - 48	137	36	28 - 50
Cerebrovascular Accidents	119	33	17 - 35	102	28	17 - 36
Gastrointestinal Catastrophes	20	40	16 - 60	26	31	17 - 56
Infectious Disease	28	43	25 - 63	13	46	16 - 67
Metabolic/Electrolyte Disorders	14	14	4 - 50	19	42	7 - 53
Pulmonary Disease	106	15	16 - 33	119	22	16 - 35
Renal Failure	15	27	13 - 68	7	71	14 - 81
Severe Acute Heart Disease	94	27	27 - 48	92	39	27 - 49
Severe Chronic Heart Disease	90	19	15 - 33	101	23	16 - 34
Severe Trauma	5	20	4 - 75	15	27	9 - 57
Gastrointestinal Disease	249	2	1 - 6	234	2	1 - 6
Gynecologic Disease	35	0	0 -100	50	0	0 -100
Low-Risk Heart Disease	271	4	1 - 7	264	5	1 - 7
Musculoskeletal/Skin Conditions	501	1	0 - 4	505	1	0 - 4
Neuropsychiatric/Sensory Disease	89	2	0 - 12	107	1	0 - 9
Urologic Disease	164	1	0 - 7	167	1	0 - 7

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 415
Occupancy Rate (%): 79
Ownership/Control: Church

STAFFING

Total Number of Physicians: 483
Percent of Physicians Who Are Board Certified Specialists: 76
Interns and Residents: 0
Registered Nurses: 394
Licensed Practical Nurses: 119

SPECIALTY SERVICES

Shock/Trauma Unit: Yes
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: No
Hospice Care: No

FORT SANDERS SEVIER MEDICAL CENTER

MIDDLE CREEK RD
SEVIERVILLE, TN 37862

Medicare Hospital Provider Number: 440081

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	657	14	9 - 15	678	15	9 - 15
Cancer	10	50	17 - 74	10	30	17 - 71
Cerebrovascular Accidents	23	30	11 - 48	29	45	15 - 50
Gastrointestinal Catastrophes	6	33	3 - 74	5	20	6 - 75
Infectious Disease	16	44	20 - 67	4	25	11 - 84
Metabolic/Electrolyte Disorders	10	20	6 - 60	5	40	5 - 78
Pulmonary Disease	59	27	14 - 39	63	24	18 - 42
Renal Failure	2	50	4 - 93	0	-	-
Severe Acute Heart Disease	24	50	22 - 62	36	50	22 - 55
Severe Chronic Heart Disease	39	21	10 - 37	31	32	9 - 43
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	61	8	0 - 34	62	3	0 - 18
Gynecologic Disease	5	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	75	3	0 - 14	80	5	1 - 15
Musculoskeletal/Skin Conditions	73	0	0 - 9	73	1	0 - 13
Neuropsychiatric/Sensory Disease	13	0	0 - 99	13	8	0 - 90
Urologic Disease	32	0	0 - 22	24	17	0 - 92

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	112
Occupancy Rate (%):	75
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

TM

**SEVIER
MEDICAL
CENTER
AFFILIATE OF
FORT SANDERS
REGIONAL
MEDICAL CENTER**

Middle Creek Road
Sevierville, Tennessee
37862

615/453-7111

PROVIDER # 44008 1 - RESPONSE TO HCFA MORTALITY PUBLICATION
October 20, 1988

In reviewing the statistical information to be published in the Federal Register in December, 1987, we found no significant errors. Sevier Medical Center's death rate, as compiled by HCFA, was within the predicted range for similar patients studied across the country. It should be noted, however, that hospital performance is dependent upon a number of variables. This requires consideration of many quality indicators, of which death is only one.

Much time and effort is devoted to quality assurance activities throughout our hospital and nursing home. Each department evaluates the quality and appropriateness of care through continual monitors which are reported at regular intervals to the Quality Assurance Committee. In addition, the Medical Staff, through peer review, performs quality assurance functions which include review of all surgical and invasive diagnostic procedures, all blood transfusions, drug usage, complications, hospital-acquired infections, appropriateness of hospitalization, condition at time of discharge, deaths, and many others.

Our institution is a rural, non-profit, 79-bed acute care hospital with an adjoining 54-bed nursing home which provides both skilled and intermediate care. We are affiliated with Fort Sanders Regional Medical Center in Knoxville, Tennessee.

The range of services at Sevier Medical Center is unusually diverse for a facility our size. Medical specialties include Family Practice, Cardiology, Emergency Medicine, Nephrology, Otolaryngology, General Surgery, Internal Medicine, Obstetrics and Gynecology, Orthopedic Surgery, Opthalmologic Surgery, Oral Surgery, Pediatrics, Radiology, Urology and Clinical Psychology. We have recently begun a comprehensive Occupational Health program which will aid area employers and serve a segment of our population which we have previously not reached.

The Medical Staff has tripled during the last seven years and we are currently undergoing expansion, due primarily to the efforts of the Dr. Robert F. Thomas Foundation, established in 1984. The Foundation is dedicated to improving the quality of health services in the community and has enabled us to build a Community Health Education/Wellness Center which will open by year end. The next step will be extensive internal renovation followed by a new surgery wing.

The Joint Commission on Accreditation of Healthcare Organizations is a nationally recognized authority whose principal concern is quality patient care. Sevier Medical Center has been accredited by this organization since 1981.

At Sevier Medical Center we are constantly striving to upgrade services and equipment while maintaining the highest possible standards of care for our patients.

FORUM HOSP TRENTON

2036 HWY 45 BY-PASS
TRENTON, TN 38382

Medicare Hospital Provider Number: 440177

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	160	12	8 - 19	161	18	9 - 22
Cancer	0	-	-	1	100	1 -100
Cerebrovascular Accidents	3	0	4 - 79	13	46	16 - 67
Gastrointestinal Catastrophes	0	-	-	3	33	1 - 88
Infectious Disease	2	0	3 - 88	1	100	1 - 97
Metabolic/Electrolyte Disorders	6	50	6 - 75	5	20	1 - 80
Pulmonary Disease	19	37	15 - 57	15	27	4 - 52
Renal Failure	1	100	3 - 99	2	100	10 - 95
Severe Acute Heart Disease	1	100	0 - 98	5	40	8 - 79
Severe Chronic Heart Disease	16	25	6 - 50	13	15	6 - 50
Severe Trauma	1	0	0 - 99	1	0	2 - 97
Gastrointestinal Disease	15	0	0 - 78	9	0	0 - 96
Gynecologic Disease	1	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	12	0	0 - 58	10	10	0 - 87
Musculoskeletal/Skin Conditions	10	0	0 -100	9	0	0 -100
Neuropsychiatric/Sensory Disease	2	0	0 -100	6	33	0 -100
Urologic Disease	1	0	0 -100	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	90
Occupancy Rate (%):	61
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	3
Percent of Physicians Who Are Board Certified Specialists:	67
Interns and Residents:	1
Registered Nurses:	8
Licensed Practical Nurses:	6

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

GEORGE W HUBBARD HOSP

1005 D TODD BLVD
NASHVILLE, TN 37208

Medicare Hospital Provider Number: 440069

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	577	13	10 - 16	563	12	9 - 15
Cancer	16	38	24 - 70	13	38	15 - 66
Cerebrovascular Accidents	11	18	6 - 55	6	17	6 - 68
Gastrointestinal Catastrophes	4	50	5 - 82	7	29	8 - 71
Infectious Disease	18	56	17 - 63	7	29	16 - 78
Metabolic/Electrolyte Disorders	19	16	9 - 48	25	28	12 - 51
Pulmonary Disease	32	31	12 - 46	23	48	12 - 53
Renal Failure	9	33	13 - 77	4	50	10 - 88
Severe Acute Heart Disease	13	38	17 - 66	18	50	19 - 63
Severe Chronic Heart Disease	39	8	14 - 34	28	18	12 - 42
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	41	0	1 - 13	47	6	1 - 24
Gynecologic Disease	8	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	75	11	1 - 21	76	5	0 - 19
Musculoskeletal/Skin Conditions	26	0	0 - 80	44	0	0 - 28
Neuropsychiatric/Sensory Disease	24	0	0 - 54	27	0	0 - 63
Urologic Disease	22	5	0 - 98	18	0	0 - 45

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	240
Occupancy Rate (%):	40
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	163
Percent of Physicians Who Are Board Certified Specialists:	48
Interns and Residents:	89
Registered Nurses:	105
Licensed Practical Nurses:	48

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

GERMANTOWN COMMUNITY HOSP METH EAST

7691 POPLAR AVE
GERMANTOWN, TN 38138

Medicare Hospital Provider Number: 440170

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	316	20	10 - 19	236	6	5 - 12
Cancer	4	50	9 - 85	2	50	3 - 92
Cerebrovascular Accidents	15	40	7 - 56	5	20	9 - 76
Gastrointestinal Catastrophes	2	50	3 - 92	0	-	-
Infectious Disease	5	40	6 - 78	5	0	11 - 67
Metabolic/Electrolyte Disorders	5	20	3 - 75	1	0	0 -100
Pulmonary Disease	40	40	16 - 47	9	44	5 - 66
Renal Failure	1	100	1 -100	0	-	-
Severe Acute Heart Disease	10	60	14 - 69	4	50	13 - 89
Severe Chronic Heart Disease	16	38	8 - 54	7	0	5 - 52
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	13	0	0 - 90	7	0	0 - 87
Gynecologic Disease	3	0	0 -100	0	-	-
Low-Risk Heart Disease	21	5	0 - 44	12	0	0 - 77
Musculoskeletal/Skin Conditions	22	0	0 - 60	15	0	0 - 91
Neuropsychiatric/Sensory Disease	21	0	0 - 84	112	0	0 - 6
Urologic Disease	9	11	0 -100	6	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	190
Occupancy Rate (%):	(not available)
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	(not available)
Burn Unit:	(not available)
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	(not available)
Organ Transplant Service:	(not available)
Hospice Care:	(not available)

GIBSON GENERAL HOSP-

HOSPITAL DR
TRENTON, TN 38382

Medicare Hospital Provider Number: 440047

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	397	16	8 - 16	342	19	10 - 19
Cancer	6	83	26 - 87	8	100	28 - 69
Cerebrovascular Accidents	27	37	14 - 50	21	43	11 - 52
Gastrointestinal Catastrophes	2	0	0 - 95	4	75	4 - 80
Infectious Disease	4	50	6 - 83	3	67	7 - 88
Metabolic/Electrolyte Disorders	7	29	3 - 70	1	0	1 - 97
Pulmonary Disease	24	46	9 - 49	35	20	14 - 43
Renal Failure	1	0	0 - 98	1	100	1 - 97
Severe Acute Heart Disease	10	50	16 - 71	14	36	16 - 64
Severe Chronic Heart Disease	19	26	7 - 48	29	34	13 - 48
Severe Trauma	1	0	0 - 98	0	-	-
Gastrointestinal Disease	46	2	0 - 21	31	3	0 - 35
Gynecologic Disease	2	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	45	4	0 - 30	45	9	0 - 43
Musculoskeletal/Skin Conditions	32	3	0 - 77	24	0	0 - 62
Neuropsychiatric/Sensory Disease	14	0	0 -100	8	25	0 -100
Urologic Disease	11	27	0 -100	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	60
Occupancy Rate (%):	47
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	42
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	0
Registered Nurses:	16
Licensed Practical Nurses:	19

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

GOODLARK MEDICAL CENTER

111 HIGHWAY 70 E
DICKSON, TN 37055

Medicare Hospital Provider Number: 440046

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,459	11	9 - 14	1,461	11	9 - 14
Cancer	45	53	32 - 64	35	46	29 - 64
Cerebrovascular Accidents	73	33	18 - 40	66	33	15 - 39
Gastrointestinal Catastrophes	8	25	6 - 66	6	17	9 - 71
Infectious Disease	32	28	18 - 52	22	36	16 - 57
Metabolic/Electrolyte Disorders	14	21	9 - 56	25	8	11 - 41
Pulmonary Disease	71	17	15 - 35	95	18	14 - 33
Renal Failure	2	50	8 - 98	4	100	9 - 77
Severe Acute Heart Disease	76	45	27 - 51	71	41	28 - 52
Severe Chronic Heart Disease	86	19	14 - 32	102	19	16 - 33
Severe Trauma	0	-	-	1	0	0 -100
Gastrointestinal Disease	128	2	1 - 8	124	0	2 - 6
Gynecologic Disease	13	0	0 -100	10	0	0 -100
Low-Risk Heart Disease	291	2	1 - 6	242	2	2 - 6
Musculoskeletal/Skin Conditions	140	2	1 - 8	139	0	1 - 5
Neuropsychiatric/Sensory Disease	38	0	0 - 29	47	4	0 - 34
Urologic Disease	59	0	1 - 10	68	1	0 - 18

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	176
Occupancy Rate (%):	49
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HANCOCK CO HOSP

TAZEWELL PIKE
SNEEDVILLE, TN 37869

Medicare Hospital Provider Number: 440079

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	228	7	6 - 14	213	10	7 - 16
Cancer	0	-	-	1	100	3 - 99
Cerebrovascular Accidents	8	38	7 - 68	6	50	7 - 75
Gastrointestinal Catastrophes	1	0	0 - 98	0	-	-
Infectious Disease	0	-	-	1	0	1 - 97
Metabolic/Electrolyte Disorders	1	0	0 -100	0	-	-
Pulmonary Disease	17	53	17 - 62	26	50	19 - 57
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	5	60	11 - 82	6	67	13 - 78
Severe Chronic Heart Disease	4	0	4 - 70	2	0	0 - 92
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	15	0	0 - 74	27	4	0 - 60
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	71	3	1 - 12	57	0	1 - 9
Musculoskeletal/Skin Conditions	28	0	0 - 41	19	0	0 - 96
Neuropsychiatric/Sensory Disease	4	0	0 -100	0	-	-
Urologic Disease	2	0	0 -100	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	31
Occupancy Rate (%):	84
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	4
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	8
Licensed Practical Nurses:	11

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HARDIN CO GENERAL HOSP-

2006 WAYNE RD
SAVANNAH, TN 38372

Medicare Hospital Provider Number: 440109

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	640	15	12 - 18	582	13	10 - 17
Cancer	20	65	31 - 72	13	62	23 - 73
Cerebrovascular Accidents	18	33	15 - 57	31	39	17 - 51
Gastrointestinal Catastrophes	4	50	8 - 84	7	43	7 - 72
Infectious Disease	3	67	8 - 88	0	-	-
Metabolic/Electrolyte Disorders	6	33	5 - 74	6	17	3 - 70
Pulmonary Disease	78	37	22 - 46	62	26	18 - 42
Renal Failure	4	75	10 - 86	3	100	18 - 94
Severe Acute Heart Disease	27	48	25 - 62	24	29	21 - 58
Severe Chronic Heart Disease	34	26	11 - 42	38	16	14 - 39
Severe Trauma	0	-	-	2	50	4 - 93
Gastrointestinal Disease	63	2	1 - 13	72	3	1 - 14
Gynecologic Disease	2	0	0 -100	0	-	-
Low-Risk Heart Disease	75	3	1 - 12	55	2	1 - 14
Musculoskeletal/Skin Conditions	66	2	0 - 15	55	5	0 - 41
Neuropsychiatric/Sensory Disease	15	0	0 - 90	13	0	0 - 98
Urologic Disease	10	0	0 - 70	16	0	0 - 89

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 132
Occupancy Rate (%): 62
Ownership/Control: Local Government

STAFFING

Total Number of Physicians: 12
Percent of Physicians Who Are Board Certified Specialists: 58
Interns and Residents: 0
Registered Nurses: 15
Licensed Practical Nurses: 23

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

HARRIMAN CITY HOSP

414 DEVONIA ST
HARRIMAN, TN 37748

Medicare Hospital Provider Number: 440031

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	729	15	9 - 16	758	12	9 - 14
Cancer	18	83	32 - 69	14	86	28 - 69
Cerebrovascular Accidents	31	29	12 - 45	22	27	12 - 49
Gastrointestinal Catastrophes	6	50	6 - 75	2	50	1 - 92
Infectious Disease	17	29	13 - 57	5	40	11 - 82
Metabolic/Electrolyte Disorders	10	20	5 - 59	13	31	3 - 58
Pulmonary Disease	62	21	16 - 39	73	23	16 - 39
Renal Failure	1	0	0 - 98	0	-	-
Severe Acute Heart Disease	19	84	25 - 60	30	33	20 - 54
Severe Chronic Heart Disease	44	20	12 - 37	30	30	12 - 45
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	54	9	0 - 32	67	1	0 - 15
Gynecologic Disease	2	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	88	5	1 - 14	95	2	1 - 10
Musculoskeletal/Skin Conditions	57	2	0 - 26	80	0	0 - 9
Neuropsychiatric/Sensory Disease	19	0	0 - 73	31	0	0 - 60
Urologic Disease	25	0	0 - 41	16	0	0 - 99

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	83
Occupancy Rate (%):	45
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	16
Percent of Physicians Who Are Board Certified Specialists:	31
Interns and Residents:	0
Registered Nurses:	36
Licensed Practical Nurses:	38

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HARTSVILLE GENERAL HOSP

500 CHURCH ST
HARTSVILLE, TN 37074

Medicare Hospital Provider Number: 440196

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	217	11	9 - 18	197	10	8 - 17
Cancer	3	33	8 - 89	0	-	-
Cerebrovascular Accidents	5	20	5 - 74	6	17	5 - 68
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	1	0	0 - 99	1	0	2 - 97
Metabolic/Electrolyte Disorders	13	23	5 - 55	9	0	4 - 47
Pulmonary Disease	21	19	7 - 44	21	29	11 - 51
Renal Failure	1	100	2 - 97	3	67	12 - 95
Severe Acute Heart Disease	16	6	21 - 52	10	30	15 - 68
Severe Chronic Heart Disease	18	17	11 - 48	11	18	6 - 55
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	18	0	0 - 76	14	0	0 - 65
Gynecologic Disease	4	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	24	4	0 - 55	27	4	0 - 37
Musculoskeletal/Skin Conditions	11	0	0 - 99	25	0	0 - 70
Neuropsychiatric/Sensory Disease	1	0	0 -100	5	0	0 - 98
Urologic Disease	9	0	0 - 95	6	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	34
Occupancy Rate (%):	(not available)
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	(not available)
Burn Unit:	(not available)
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	(not available)
Organ Transplant Service:	(not available)
Hospice Care:	(not available)

HAWKINS CO MEMORIAL HOSP-

LOCUST ST
ROGERSVILLE, TN 37857

Medicare Hospital Provider Number: 440032

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	444	17	9 - 16	474	10	8 - 15
Cancer	11	64	13 - 67	4	75	11 - 84
Cerebrovascular Accidents	14	50	11 - 60	14	36	9 - 58
Gastrointestinal Catastrophes	3	67	11 - 92	3	0	2 - 81
Infectious Disease	4	50	6 - 83	2	0	10 - 93
Metabolic/Electrolyte Disorders	9	33	7 - 66	14	21	5 - 53
Pulmonary Disease	47	30	14 - 42	46	24	13 - 40
Renal Failure	1	100	3 - 98	0	-	-
Severe Acute Heart Disease	12	25	20 - 68	16	25	21 - 63
Severe Chronic Heart Disease	20	35	8 - 50	21	10	10 - 39
Severe Trauma	0	-	-	1	0	0 - 98
Gastrointestinal Disease	46	9	0 - 42	46	0	0 - 17
Gynecologic Disease	4	25	0 -100	2	0	0 -100
Low-Risk Heart Disease	64	5	1 - 18	57	2	1 - 14
Musculoskeletal/Skin Conditions	34	0	0 - 21	40	0	0 - 15
Neuropsychiatric/Sensory Disease	11	0	0 - 99	13	0	0 -100
Urologic Disease	11	0	0 -100	13	0	0 - 86

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	55
Occupancy Rate (%):	60
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	16
Percent of Physicians Who Are Board Certified Specialists:	31
Interns and Residents:	0
Registered Nurses:	19
Licensed Practical Nurses:	17

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HAYWOOD PARK GENERAL HOSP

2545 N WASHINGTON AVE
BROWNSVILLE, TN 38012

Medicare Hospital Provider Number: 440174

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	533	12	9 - 16	588	15	10 - 17
Cancer	10	70	25 - 79	15	80	30 - 73
Cerebrovascular Accidents	25	32	15 - 52	30	43	22 - 57
Gastrointestinal Catastrophes	1	100	1 - 97	0	-	-
Infectious Disease	0	-	-	1	100	1 - 97
Metabolic/Electrolyte Disorders	8	13	6 - 61	8	13	3 - 61
Pulmonary Disease	27	22	12 - 46	34	38	19 - 53
Renal Failure	0	-	-	6	67	11 - 82
Severe Acute Heart Disease	15	67	23 - 68	16	56	25 - 71
Severe Chronic Heart Disease	47	30	15 - 42	47	26	13 - 39
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	55	2	2 - 13	62	0	2 - 9
Gynecologic Disease	3	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	83	4	1 - 12	92	7	1 - 15
Musculoskeletal/Skin Conditions	37	3	0 - 39	43	2	0 - 21
Neuropsychiatric/Sensory Disease	10	10	0 - 68	10	0	0 - 99
Urologic Disease	15	7	0 - 75	19	0	0 - 34

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	62
Occupancy Rate (%):	48
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	7
Percent of Physicians Who Are Board Certified Specialists:	29
Interns and Residents:	0
Registered Nurses:	13
Licensed Practical Nurses:	15

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

METHODIST.
METHODIST HEALTH SYSTEMS

October 20, 1988

HCFA
Health Standards and Quality Bureau
Meadows East Building, 2 - D - 2
6325 Security Boulevard
Baltimore, Maryland 21207

MEDICARE PROVIDER NUMBER 440174

Dear Ms. Kappert:

In response to the Medicare Hospital Mortality Information for Haywood Park General Hospital, please note that the actual mortality rate for gastrointestinal catastrophies while reported at 100%, reflects only one case. The statistical validity of such a small sample size is in question.

In all other diagnostic categories the actual mortality rate is well within the range for predicted mortality. However, according to our records two of the patients accredited to our mortality rate died after transfer to tertiary centers for further care.

Sincerely,

J. Ken Stringer
(jw)

J. Ken Stringer
Administrator

JKS/jw

Enclosure

HCA DONELSON HOSPITAL

3055 LEBANON RD
NASHVILLE, TN 37214

Medicare Hospital Provider Number: 440150

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,458	10	9 - 14	1,385	9	8 - 13
Cancer	43	40	27 - 58	36	42	23 - 57
Cerebrovascular Accidents	49	27	16 - 42	29	38	14 - 49
Gastrointestinal Catastrophes	16	44	17 - 65	11	36	12 - 67
Infectious Disease	14	29	18 - 65	10	40	15 - 71
Metabolic/Electrolyte Disorders	15	27	9 - 56	9	33	4 - 65
Pulmonary Disease	92	13	17 - 34	68	21	19 - 41
Renal Failure	1	100	3 - 99	4	50	7 - 86
Severe Acute Heart Disease	43	53	29 - 60	35	37	25 - 58
Severe Chronic Heart Disease	52	15	14 - 36	59	20	14 - 36
Severe Trauma	0	-	-	5	40	5 - 78
Gastrointestinal Disease	153	1	1 - 7	149	5	1 - 11
Gynecologic Disease	17	0	0 -100	17	0	0 -100
Low-Risk Heart Disease	149	3	1 - 9	139	3	2 - 9
Musculoskeletal/Skin Conditions	143	1	1 - 7	166	3	1 - 8
Neuropsychiatric/Sensory Disease	63	2	1 - 12	71	0	1 - 8
Urologic Disease	68	3	0 - 44	71	1	0 - 33

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	218
Occupancy Rate (%):	56
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	95
Percent of Physicians Who Are Board Certified Specialists:	61
Interns and Residents:	0
Registered Nurses:	137
Licensed Practical Nurses:	70

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

HCA JOHNSON CITY EYE & EAR HOSP

203 E WATAUGA AVE NE
JOHNSON CITY, TN 37601

Medicare Hospital Provider Number: 440105

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	77	0	1 - 8	117	0	1 - 6
Cancer	0	-	-	1	0	0 - 99
Cerebrovascular Accidents	0	-	-	0	-	-
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	1	0	1 - 97	0	-	-
Pulmonary Disease	0	-	-	0	-	-
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	0	-	-
Severe Chronic Heart Disease	0	-	-	0	-	-
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	0	-	-	8	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	0	-	-	2	0	0 -100
Musculoskeletal/Skin Conditions	4	0	0 -100	8	0	0 -100
Neuropsychiatric/Sensory Disease	46	0	0 - 22	79	0	0 - 8
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 39
Occupancy Rate (%): 8
Ownership/Control: Private, For Profit

STAFFING

Total Number of Physicians: 12
Percent of Physicians Who Are Board Certified Specialists: 100
Interns and Residents: 0
Registered Nurses: 12
Licensed Practical Nurses: 7

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: No
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

HCA NORTH PARK HOSP

2051 HAMILL ROAD
CHATTANOOGA, TN 37343

Medicare Hospital Provider Number: 440103

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	838	13	8 - 13	839	11	8 - 13
Cancer	14	43	15 - 64	16	25	13 - 57
Cerebrovascular Accidents	48	23	14 - 39	37	30	15 - 46
Gastrointestinal Catastrophes	7	14	8 - 66	6	50	6 - 75
Infectious Disease	11	45	14 - 69	9	22	10 - 65
Metabolic/Electrolyte Disorders	10	50	8 - 66	6	33	2 - 76
Pulmonary Disease	53	38	12 - 39	56	27	13 - 38
Renal Failure	3	33	12 - 94	3	33	3 - 87
Severe Acute Heart Disease	26	58	21 - 59	31	42	22 - 57
Severe Chronic Heart Disease	23	22	8 - 44	31	16	10 - 38
Severe Trauma	0	-	-	1	0	0 - 99
Gastrointestinal Disease	85	6	1 - 17	83	1	1 - 9
Gynecologic Disease	12	0	0 -100	9	0	0 -100
Low-Risk Heart Disease	80	1	1 - 9	101	2	1 - 9
Musculoskeletal/Skin Conditions	79	4	0 - 19	81	2	0 - 13
Neuropsychiatric/Sensory Disease	27	0	0 - 47	31	0	0 - 56
Urologic Disease	33	3	0 - 94	41	0	0 - 29

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	83
Occupancy Rate (%):	58
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	181
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	0
Registered Nurses:	79
Licensed Practical Nurses:	4

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HCA SOUTHERN HILLS HOSP

391 WALLACE RD
NASHVILLE, TN 37211

Medicare Hospital Provider Number: 440197

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,147	9	8 - 13	1,014	11	8 - 13
Cancer	25	32	17 - 55	24	21	21 - 56
Cerebrovascular Accidents	47	19	16 - 40	39	26	13 - 42
Gastrointestinal Catastrophes	15	33	12 - 61	14	36	15 - 65
Infectious Disease	8	63	14 - 74	8	13	13 - 66
Metabolic/Electrolyte Disorders	12	25	6 - 58	10	10	3 - 54
Pulmonary Disease	38	18	15 - 42	48	33	15 - 44
Renal Failure	8	25	18 - 81	0	-	-
Severe Acute Heart Disease	30	40	22 - 57	24	42	23 - 62
Severe Chronic Heart Disease	64	14	15 - 34	60	25	13 - 37
Severe Trauma	8	25	8 - 68	0	-	-
Gastrointestinal Disease	130	5	1 - 11	93	2	1 - 10
Gynecologic Disease	9	0	0 -100	13	0	0 -100
Low-Risk Heart Disease	128	1	2 - 7	142	6	0 - 13
Musculoskeletal/Skin Conditions	155	2	0 - 9	112	4	0 - 17
Neuropsychiatric/Sensory Disease	35	6	0 - 52	26	0	0 - 49
Urologic Disease	47	0	0 - 23	35	3	0 - 58

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	136
Occupancy Rate (%):	71
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	86
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	0
Registered Nurses:	206
Licensed Practical Nurses:	32

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

HENDERSONVILLE COMMUNITY HOSP

355 NEW SHACKLE ISLAND RD
HENDERSONVILLE, TN 37075

Medicare Hospital Provider Number: 440194

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	399	13	7 - 15	346	10	8 - 15
Cancer	9	56	18 - 76	8	13	10 - 62
Cerebrovascular Accidents	14	43	9 - 59	10	30	7 - 62
Gastrointestinal Catastrophes	3	33	5 - 87	1	100	3 - 98
Infectious Disease	4	0	4 - 71	3	33	2 - 86
Metabolic/Electrolyte Disorders	4	25	4 - 80	2	0	4 - 88
Pulmonary Disease	24	33	10 - 49	17	18	10 - 49
Renal Failure	0	-	-	1	100	2 - 97
Severe Acute Heart Disease	13	46	18 - 68	20	35	20 - 61
Severe Chronic Heart Disease	21	29	8 - 47	18	22	10 - 49
Severe Trauma	2	50	2 - 92	1	0	1 - 97
Gastrointestinal Disease	41	2	0 - 31	27	4	0 - 48
Gynecologic Disease	5	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	44	0	0 - 14	30	3	0 - 34
Musculoskeletal/Skin Conditions	46	2	0 - 32	45	0	0 - 20
Neuropsychiatric/Sensory Disease	24	0	0 - 78	9	0	0 -100
Urologic Disease	22	0	0 - 80	13	0	0 - 91

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	75
Occupancy Rate (%):	47
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	74
Percent of Physicians Who Are Board Certified Specialists:	80
Interns and Residents:	0
Registered Nurses:	77
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HENRY CO GENERAL HOSP-

301 TYSON AV
PARIS, TN 38242

Medicare Hospital Provider Number: 440132

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,265	13	9 - 14	1,309	13	9 - 14
Cancer	35	63	31 - 64	31	71	38 - 72
Cerebrovascular Accidents	49	33	14 - 41	42	31	15 - 44
Gastrointestinal Catastrophes	7	29	7 - 70	5	0	3 - 65
Infectious Disease	9	56	10 - 69	11	55	9 - 65
Metabolic/Electrolyte Disorders	31	23	12 - 46	24	33	9 - 50
Pulmonary Disease	106	26	16 - 36	126	23	17 - 35
Renal Failure	3	33	1 - 88	1	0	0 - 98
Severe Acute Heart Disease	35	34	26 - 58	33	58	25 - 59
Severe Chronic Heart Disease	88	31	13 - 34	89	21	15 - 33
Severe Trauma	2	0	1 - 89	2	50	0 - 97
Gastrointestinal Disease	120	2	1 - 8	108	0	1 - 6
Gynecologic Disease	18	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	156	4	1 - 9	186	3	2 - 7
Musculoskeletal/Skin Conditions	134	2	0 - 9	133	1	0 - 7
Neuropsychiatric/Sensory Disease	29	0	0 - 25	38	0	0 - 31
Urologic Disease	66	5	0 - 47	56	2	0 - 24

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	142
Occupancy Rate (%):	52
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	22
Percent of Physicians Who Are Board Certified Specialists:	59
Interns and Residents:	0
Registered Nurses:	47
Licensed Practical Nurses:	58

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

HICKMAN CO HOSP

135 E SWAN ST
CENTERVILLE, TN 37033

Medicare Hospital Provider Number: 440014

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	275	16	8 - 18	261	14	9 - 18
Cancer	8	63	18 - 78	4	50	9 - 85
Cerebrovascular Accidents	3	100	3 - 79	8	38	6 - 68
Gastrointestinal Catastrophes	0	-	-	2	0	4 - 89
Infectious Disease	3	67	6 - 87	4	25	11 - 85
Metabolic/Electrolyte Disorders	9	0	5 - 47	1	0	0 - 98
Pulmonary Disease	26	19	15 - 47	29	7	11 - 35
Renal Failure	4	75	5 - 82	1	100	1 - 97
Severe Acute Heart Disease	7	86	11 - 67	12	58	15 - 67
Severe Chronic Heart Disease	16	31	12 - 56	25	16	12 - 43
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	24	0	0 - 31	18	0	0 - 92
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	32	3	0 - 29	32	3	0 - 28
Musculoskeletal/Skin Conditions	30	0	0 - 29	25	8	0 - 96
Neuropsychiatric/Sensory Disease	3	33	0 -100	5	20	0 -100
Urologic Disease	5	0	0 -100	3	33	0 - 98

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	68
Occupancy Rate (%):	86
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	5
Percent of Physicians Who Are Board Certified Specialists:	60
Interns and Residents:	0
Registered Nurses:	12
Licensed Practical Nurses:	9

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HIGHLAND HOSP

500 REDBUD DR
PORTLAND, TN 37148

Medicare Hospital Provider Number: 440095

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	417	12	9 - 16	412	11	8 - 15
Cancer	5	60	18 - 89	5	80	13 - 80
Cerebrovascular Accidents	14	43	8 - 58	23	26	12 - 48
Gastrointestinal Catastrophes	5	20	7 - 75	2	0	3 - 88
Infectious Disease	5	20	6 - 74	2	0	2 - 88
Metabolic/Electrolyte Disorders	20	15	7 - 45	8	25	5 - 66
Pulmonary Disease	37	35	15 - 47	37	27	12 - 43
Renal Failure	0	-	-	2	50	5 - 94
Severe Acute Heart Disease	12	42	14 - 66	11	55	21 - 75
Severe Chronic Heart Disease	26	19	12 - 43	16	38	8 - 54
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	43	5	0 - 51	48	4	0 - 32
Gynecologic Disease	4	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	63	0	1 - 8	64	0	1 - 8
Musculoskeletal/Skin Conditions	27	0	0 - 22	44	0	1 - 13
Neuropsychiatric/Sensory Disease	19	0	0 - 84	24	0	0 - 73
Urologic Disease	8	0	0 -100	3	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	48
Occupancy Rate (%):	46
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	9
Percent of Physicians Who Are Board Certified Specialists:	78
Interns and Residents:	0
Registered Nurses:	20
Licensed Practical Nurses:	13

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HILLSIDE HOSP

1265 E COLLEGE ST
PULASKI, TN 38478

Medicare Hospital Provider Number: 440020

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	648	12	10 - 16	702	11	9 - 15
Cancer	15	53	27 - 75	9	44	17 - 75
Cerebrovascular Accidents	10	60	11 - 66	14	43	11 - 60
Gastrointestinal Catastrophes	3	33	5 - 86	7	14	13 - 70
Infectious Disease	12	33	10 - 62	17	47	23 - 69
Metabolic/Electrolyte Disorders	13	46	11 - 63	8	38	2 - 70
Pulmonary Disease	69	28	15 - 38	47	13	12 - 35
Renal Failure	3	67	10 - 92	2	50	6 - 95
Severe Acute Heart Disease	12	17	22 - 67	29	31	22 - 56
Severe Chronic Heart Disease	32	22	12 - 42	40	30	10 - 40
Severe Trauma	1	0	3 - 99	2	0	3 - 88
Gastrointestinal Disease	67	1	1 - 12	92	3	1 - 12
Gynecologic Disease	1	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	61	0	1 - 9	93	1	2 - 8
Musculoskeletal/Skin Conditions	51	4	0 - 21	42	2	0 - 35
Neuropsychiatric/Sensory Disease	19	0	0 - 49	7	43	0 -100
Urologic Disease	19	0	0 - 98	14	0	0 - 98

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	95
Occupancy Rate (%):	57
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	19
Percent of Physicians Who Are Board Certified Specialists:	58
Interns and Residents:	0
Registered Nurses:	40
Licensed Practical Nurses:	38

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HOLSTON VALLEY HOSP MEDICAL CENTER

W RAVINE ST
KINGSPORT, TN 37662

Medicare Hospital Provider Number: 440017

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,385	13	10 - 14	3,419	12	10 - 14
Cancer	146	47	31 - 52	137	32	29 - 50
Cerebrovascular Accidents	113	31	17 - 36	117	26	18 - 35
Gastrointestinal Catastrophes	16	50	15 - 63	18	11	16 - 53
Infectious Disease	30	43	19 - 56	41	49	21 - 55
Metabolic/Electrolyte Disorders	34	29	12 - 47	27	48	18 - 58
Pulmonary Disease	194	26	19 - 35	243	26	19 - 34
Renal Failure	7	71	15 - 81	8	75	12 - 77
Severe Acute Heart Disease	169	32	25 - 42	185	31	27 - 44
Severe Chronic Heart Disease	161	25	15 - 30	134	27	17 - 34
Severe Trauma	11	18	8 - 59	11	18	9 - 60
Gastrointestinal Disease	264	4	1 - 7	244	2	1 - 6
Gynecologic Disease	22	5	0 -100	25	0	0 -100
Low-Risk Heart Disease	603	4	2 - 6	547	4	2 - 6
Musculoskeletal/Skin Conditions	276	1	1 - 5	271	1	1 - 5
Neuropsychiatric/Sensory Disease	172	2	1 - 8	163	1	0 - 7
Urologic Disease	76	1	0 - 19	103	1	0 - 18

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	434
Occupancy Rate (%):	69
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	179
Percent of Physicians Who Are Board Certified Specialists:	88
Interns and Residents:	0
Registered Nurses:	293
Licensed Practical Nurses:	164

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

HUMANA HOSP EAST RIDGE

941 SPRING CREEK RD
CHATTANOOGA, TN 37412

Medicare Hospital Provider Number: 440178

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	721	10	8 - 13	641	14	9 - 15
Cancer	11	55	16 - 70	12	42	17 - 69
Cerebrovascular Accidents	32	31	12 - 45	34	38	15 - 48
Gastrointestinal Catastrophes	7	29	11 - 74	10	70	15 - 70
Infectious Disease	3	33	1 - 87	10	40	11 - 68
Metabolic/Electrolyte Disorders	3	67	0 - 93	6	0	2 - 60
Pulmonary Disease	57	23	14 - 38	64	25	14 - 38
Renal Failure	10	20	15 - 74	6	67	12 - 83
Severe Acute Heart Disease	26	38	19 - 56	16	38	19 - 64
Severe Chronic Heart Disease	29	21	9 - 40	29	17	10 - 40
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	64	3	0 - 20	49	0	1 - 12
Gynecologic Disease	11	0	0 -100	10	0	0 -100
Low-Risk Heart Disease	56	4	0 - 20	52	6	0 - 27
Musculoskeletal/Skin Conditions	52	0	0 - 17	54	0	0 - 11
Neuropsychiatric/Sensory Disease	8	0	0 - 86	8	0	0 - 94
Urologic Disease	18	6	0 - 50	22	5	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	128
Occupancy Rate (%):	64
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

941 Spring Creek Road
East Ridge, Tennessee
37412
Telephone 615 894-7870

**Humana Hospital
East Ridge**

Medicare Provider No.
44-0178

October 21, 1988

Mrs. Sandra Kappert
Health Standards and Quality Bureau, HCFA
2-D-2 Meadows East Building
6325 Security Blvd.
Baltimore, Maryland 21207

Dear Mrs. Kappert:

I appreciate the opportunity to comment on the Medicare patient mortality data and the hospital profile characteristics to be published by the Health Care Financing Administration. The information does serve as apart of this hospital's and the health care industry's ongoing quality assurance programs.

HCFA's efforts to provide our hospital specifically, and the health care industry in general, with quality assurance information should be commended.

I also appreciate your public position that even though attempts have been made to further refine the manipulation of the data, this information is limited and cannot be used as a complete measure of quality.

I am very proud of our quality assurance program that is in place at Humana Hospital East Ridge; it is well-established and includes routine review by the Joint Commission on Accreditation of Healthcare Organizations and other outside review agencies, ongoing utilization review, quality assurance, in-hospital morbidity and mortality reviews and analyses of all inpatient mortality.

Mrs. Sandra Kappert
10/21/88
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The raw numbers that you have provided in this release further assist us in confirming our records and in analyzing Medicare patient mortality.

The quality assurance staff and medical staff has reviewed the statistics provided by HCFA. Since some of the deaths attributed to patients in our hospital occurred after discharge, we have been unable to completely validate the data. By category, the number of patients in many cases is too limited to provide a valid statistical analysis. Additionally, predicted ranges have been developed in such a complex and unverifiable way, it would be useless to consider them "standard" ranges.

I also am concerned that the information listed under "Hospital Characteristics" contains inaccurate figures inconsistent with our hospital records, thus we are unable to confirm any of that data.

We stand ready to aid our community in reviewing this very complex data and explaining how this type of information is used to affirm and improve the quality of health care services.

Sincerely,

Peter T. Petruzzi

Peter T. Petruzzi, Executive Director
Humana Hospital East Ridge

HUMANA HOSPITAL MCFARLAND

500 PARK AVE
LEBANON, TN 37087

Medicare Hospital Provider Number: 440136

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,202	12	9 - 14	1,164	10	9 - 14
Cancer	32	56	30 - 66	32	50	24 - 60
Cerebrovascular Accidents	52	33	17 - 44	47	28	20 - 46
Gastrointestinal Catastrophes	5	0	6 - 65	7	43	7 - 73
Infectious Disease	4	0	5 - 71	4	25	4 - 80
Metabolic/Electrolyte Disorders	16	31	13 - 60	19	11	11 - 46
Pulmonary Disease	78	28	19 - 41	68	26	17 - 40
Renal Failure	2	50	5 - 94	1	100	2 - 97
Severe Acute Heart Disease	35	49	22 - 56	28	43	22 - 58
Severe Chronic Heart Disease	63	16	13 - 33	67	24	15 - 36
Severe Trauma	0	-	-	1	0	0 - 97
Gastrointestinal Disease	118	2	1 - 8	99	0	1 - 6
Gynecologic Disease	19	0	0 -100	14	0	0 -100
Low-Risk Heart Disease	133	2	1 - 8	133	3	1 - 9
Musculoskeletal/Skin Conditions	149	3	0 - 9	139	1	1 - 7
Neuropsychiatric/Sensory Disease	31	3	0 - 69	26	0	0 - 50
Urologic Disease	51	4	0 - 36	49	2	0 - 25

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	159
Occupancy Rate (%):	59
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

500 Park Avenue
Lebanon, Tennessee
37087
Telephone 615 449-0500

**Humana Hospital
McFarland**

440136

October 21, 1988

Mrs. Sandra Kappert
Health Standards and Quality Bureau, HCFA
2-D-2 Meadows East Building
6325 Security Blvd.
Baltimore, Maryland 21207

Dear Mrs. Kappert:

I appreciate the opportunity to comment on the Medicare patient mortality data and hospital profile characteristics to be published by the Health Care Financing Administration. The information does serve as a part of this hospital's and the health care industry's ongoing quality assurance programs.

HCFA's efforts to provide our hospital specifically, and the health care industry in general, with quality assurance information should be commended.

I also appreciate your public position that even though attempts have been made to further refine the manipulation of the data, this information is limited and cannot be used as a complete measure of quality.

I am very proud of our quality assurance program that is in place at Humana Hospital - McFarland; it is well-established and includes routine review by the Joint Commission on Accreditation of Healthcare Organizations and other outside review agencies, ongoing utilization review, quality assurance, in-hospital morbidity and mortality reviews and analyses of all inpatient mortality.

The raw numbers that you have provided in this release further assist us in confirming our records and in analyzing Medicare patient mortality.

The Quality Assurance Committee and the Medical Staff of Humana Hospital - McFarland have reviewed the statistics provided by HCFA. Since some of the deaths attributed to patients in our hospital occurred after discharge, we have been unable to completely validate the data. By category, the number of patients in many cases is too limited to provide a valid statistical analysis. Additionally, predicted ranges have been developed in such a complex and unverifiable way, it would be useless to consider them "standard" ranges.

I also am concerned that the information listed under "Hospital Characteristics" contains inaccurate figures inconsistent with our hospital records, thus, we are unable to confirm any of that data.

We stand ready to aid our community in reviewing this very complex data and explaining how this type of information is used to affirm and improve the quality of health care services.

Sincerely,

William E. Sheron
fs

William E. Sheron
Executive Director

fs

HUMANA HOSPITAL MORRISTOWN

726 MCFARLAND ST
MORRISTOWN, TN 37814

Medicare Hospital Provider Number: 440067

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	728	11	8 - 14	739	11	8 - 14
Cancer	15	60	25 - 72	12	50	22 - 74
Cerebrovascular Accidents	35	43	16 - 48	33	36	16 - 49
Gastrointestinal Catastrophes	8	38	8 - 70	5	40	2 - 79
Infectious Disease	3	33	6 - 87	4	25	4 - 80
Metabolic/Electrolyte Disorders	2	0	0 - 93	10	10	8 - 55
Pulmonary Disease	57	21	16 - 39	76	17	14 - 34
Renal Failure	5	60	9 - 83	3	100	18 - 96
Severe Acute Heart Disease	21	33	21 - 61	25	52	19 - 58
Severe Chronic Heart Disease	24	17	7 - 40	29	34	9 - 44
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	62	3	0 - 18	54	4	0 - 30
Gynecologic Disease	6	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	121	2	1 - 9	132	2	1 - 7
Musculoskeletal/Skin Conditions	57	2	0 - 16	79	1	0 - 11
Neuropsychiatric/Sensory Disease	18	6	0 -100	25	8	0 - 97
Urologic Disease	49	0	0 - 51	50	2	0 - 33

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	135
Occupancy Rate (%):	44
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	39
Percent of Physicians Who Are Board Certified Specialists:	54
Interns and Residents:	0
Registered Nurses:	54
Licensed Practical Nurses:	34

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

7[illegible]5 McFarland Street
Morristown, Tennessee
37814
Telephone 615 [illegible]

Humana Hospital
Morristown

October 20, 1988

Mrs. Sandra Kappert
Health Standards and Quality Bureau, HCFA
2-D-2 Meadows East Building
6325 Security Blvd.
Baltimore, Maryland 21207

Dear Mrs. Kappert:

We appreciate the opportunity to comment on the Medicare patient mortality data and the hospital profile characteristics to be published by the Health Care Financing Administration. This information does serve as a part of this hospital's and the health care industry's ongoing quality assurance programs.

HCFA's efforts to provide our hospital specifically, and the health care industry in general, with quality assurance information should be commended.

We also appreciate your public position that even though attempts have been made to further refine the manipulation of the data, this information is limited and cannot be used as a complete measure of quality.

We are very proud of our quality assurance program that is in place at Humana Hospital-Morristown; it is well-established and includes routine review by the Joint Commission on Accreditation of Healthcare Organizations and other outside review agencies, ongoing utilization review, quality assurance, in-hospital morbidity and mortality reviews and analyses of of all inpatient mortality.

The raw numbers that you have provided in this release further assist us in confirming our records and in analyzing Medicare patient mortality.

The quality assurance staff and medical staff have reviewed the statistics provided by HCFA. Since some of the deaths attributed to patients in our hospital occurred after discharge, we have been unable to completely validate the data. By category, the number of patients in many cases is too limited to provide a valid statistical analysis. Additionally, predicted ranges have been developed in such a complex and unverifiable way, it would be useless to consider them "standard" ranges.

We stand ready to aid our community in reviewing this very complex data and explaining how this type of information is used to affirm and improve the quality of health care services.

Sincerely,

Stephen L Taylor

Stephen L. Taylor
Executive Director

SLT/mcs

HUMBOLDT CEDAR CREST HOSP-

3525 CHERE CAROL RD
HUMBOLDT, TN 38343

Medicare Hospital Provider Number: 440115

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	250	18	11 - 21	345	15	10 - 18
Cancer	5	60	13 - 84	6	100	28 - 77
Cerebrovascular Accidents	22	41	14 - 54	22	55	15 - 56
Gastrointestinal Catastrophes	1	100	3 -100	1	0	0 - 98
Infectious Disease	3	33	7 - 88	7	29	8 - 70
Metabolic/Electrolyte Disorders	7	14	2 - 66	4	0	1 - 77
Pulmonary Disease	37	35	14 - 46	43	19	14 - 40
Renal Failure	1	100	2 -100	5	80	7 - 79
Severe Acute Heart Disease	10	60	18 - 73	10	40	15 - 70
Severe Chronic Heart Disease	16	19	8 - 48	21	19	8 - 44
Severe Trauma	1	0	1 - 97	1	0	0 -100
Gastrointestinal Disease	20	0	0 - 71	32	0	0 - 19
Gynecologic Disease	1	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	26	0	0 - 23	40	2	0 - 24
Musculoskeletal/Skin Conditions	16	6	0 - 99	17	0	0 - 99
Neuropsychiatric/Sensory Disease	7	0	0 -100	7	0	0 -100
Urologic Disease	5	20	0 -100	5	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	62
Occupancy Rate (%):	29
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	12
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	21
Licensed Practical Nurses:	11

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

INDIAN PATH HOSP

2000 BROOKSIDE RD
KINGSPORT, TN 37660

Medicare Hospital Provider Number: 440176

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,191	12	9 - 14	2,111	12	9 - 14
Cancer	76	55	30 - 56	89	44	31 - 56
Cerebrovascular Accidents	67	16	17 - 36	74	35	17 - 40
Gastrointestinal Catastrophes	23	17	18 - 54	10	10	15 - 61
Infectious Disease	54	30	20 - 48	31	29	17 - 52
Metabolic/Electrolyte Disorders	18	22	12 - 54	8	0	8 - 52
Pulmonary Disease	151	26	20 - 37	121	26	18 - 37
Renal Failure	10	20	15 - 74	9	67	15 - 79
Severe Acute Heart Disease	81	48	25 - 49	85	40	24 - 47
Severe Chronic Heart Disease	93	27	13 - 33	83	30	13 - 34
Severe Trauma	4	50	2 - 83	1	0	0 - 99
Gastrointestinal Disease	206	3	1 - 8	210	3	1 - 8
Gynecologic Disease	17	0	0 -100	21	0	0 -100
Low-Risk Heart Disease	254	3	1 - 7	197	4	1 - 8
Musculoskeletal/Skin Conditions	196	2	0 - 7	201	1	1 - 6
Neuropsychiatric/Sensory Disease	90	1	0 - 11	108	3	0 - 12
Urologic Disease	110	2	0 - 12	121	2	0 - 16

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	215
Occupancy Rate (%):	69
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	138
Percent of Physicians Who Are Board Certified Specialists:	85
Interns and Residents:	0
Registered Nurses:	127
Licensed Practical Nurses:	82

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

JACKSON CO HOSP

620 HOSPITAL DR
GAINESBORO, TN 38562

Medicare Hospital Provider Number: 440087

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	332	11	10 - 17	341	11	8 - 16
Cancer	3	100	19 - 91	5	100	27 - 82
Cerebrovascular Accidents	9	33	9 - 66	9	11	10 - 58
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	1	100	1 - 97	7	43	12 - 76
Metabolic/Electrolyte Disorders	3	33	4 - 86	2	0	0 - 98
Pulmonary Disease	55	24	15 - 40	29	21	17 - 49
Renal Failure	1	100	1 - 97	1	0	1 - 97
Severe Acute Heart Disease	10	40	17 - 72	12	58	17 - 69
Severe Chronic Heart Disease	12	17	9 - 54	12	25	6 - 56
Severe Trauma	1	0	0 - 98	1	0	0 - 98
Gastrointestinal Disease	23	0	0 - 29	38	3	0 - 28
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	44	0	1 - 12	44	2	0 - 22
Musculoskeletal/Skin Conditions	18	0	0 - 81	31	3	0 - 81
Neuropsychiatric/Sensory Disease	6	0	0 -100	10	0	0 - 98
Urologic Disease	7	14	0 -100	12	0	0 - 91

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	41
Occupancy Rate (%):	39
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	4
Percent of Physicians Who Are Board Certified Specialists:	25
Interns and Residents:	0
Registered Nurses:	6
Licensed Practical Nurses:	7

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

JACKSON-MADISON CO GENERAL HOSP-

708 W FOREST
JACKSON, TN 38301

Medicare Hospital Provider Number: 440002

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	5,577	13	10 - 14	5,299	12	10 - 14
Cancer	242	45	35 - 54	272	38	35 - 53
Cerebrovascular Accidents	231	31	19 - 33	172	25	19 - 34
Gastrointestinal Catastrophes	48	33	21 - 53	46	35	19 - 51
Infectious Disease	38	39	23 - 57	48	48	28 - 60
Metabolic/Electrolyte Disorders	70	40	16 - 44	52	35	12 - 43
Pulmonary Disease	230	30	19 - 35	193	27	20 - 36
Renal Failure	38	29	15 - 63	21	38	14 - 69
Severe Acute Heart Disease	258	46	28 - 44	229	39	29 - 45
Severe Chronic Heart Disease	201	31	19 - 33	174	34	17 - 33
Severe Trauma	12	42	5 - 62	15	40	7 - 59
Gastrointestinal Disease	440	4	1 - 6	441	3	2 - 6
Gynecologic Disease	75	0	0 - 96	77	1	0 - 98
Low-Risk Heart Disease	890	3	2 - 5	808	3	2 - 5
Musculoskeletal/Skin Conditions	427	2	1 - 5	416	2	1 - 5
Neuropsychiatric/Sensory Disease	154	3	1 - 9	173	1	1 - 6
Urologic Disease	274	2	1 - 6	274	1	0 - 5

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	634
Ownership/Control:	District/Authority

STAFFING

Interns and Residents:	0
Registered Nurses:	513
Licensed Practical Nurses:	193

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

Jackson-Madison County General Hospital

708 West Forest • Jackson, Tennessee 38301-3956 • (901) 425-5000

1987 MEDICARE HOSPITAL MORTALITY DATA REPORT

The 1987 Medicare Hospital Mortality Data for Jackson-Madison County General Hopsital has been received and reviewed. The only category that we would like to respond to in this report is Severe Acute Heart Disease. This major diagnostic grouping consists of a number of very acute life threatening conditions. Some of these conditions are cardiac arrest, aneurysms, rupture of artery, shock and myocardial infarction (heart attack). The range of predicted mortality for this category of Medicare patients is 28 to 44%. The actual mortality rate for JMCGH was 46% with 93 (78%) of the deaths in this category being caused by a heart attack.

After an indepth analysis of this data, we feel the following comments are applicable to this situation:

JMCGH is the major Tertiary Care Hospital between Memphis and Nashville. Cardiology is one of the major services provided by our hospital. Due to the reputation of our Hospital as a Heart Center, most of the surrounding community hospitals are sending their more critically ill heart patients to us.

During 1987, there was a total of 436 patients admitted to our Hospital with a diagnosis of myocardial infarction with the following mortality data.

	No./Patients Admitted/M.I.	MORTALITY DATA	
		No. of Deaths	Percentage
TOTAL	436	102	23.4%
Non-Medicare Patients	159	12	7.5%
Medicare Patients	277	93	33.5%
Medicare Patients-- % of total M.I. Deaths			91.0%

Other statistics that are of interest and relevant to this situation are as follows:

1. The average age of the Medicare patients was 75 years.

2. 72.5% of these patients were from outside of Madison County as compared to 64% of all patients admitted to JMCGH. We feel this is a significant factor since these patients are acutely ill and live as far as 60 miles away from the Hospital. Time before treatment has begun is an important factor in the survival of these patients.

3. 63.5% of all myocardial infarction patients were Medicare as compared to 35% of the general hospital population.

4. 25% of these patients died within 24 hours of admission.

JEFFERSON CO MEMORIAL HOSP

501 BISHOP ST
JEFFERSON CITY, TN 37760

Medicare Hospital Provider Number: 440056

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	614	12	8 - 14	677	15	9 - 16
Cancer	8	88	28 - 79	19	74	31 - 71
Cerebrovascular Accidents	27	26	15 - 49	20	40	13 - 54
Gastrointestinal Catastrophes	2	50	0 - 94	5	60	12 - 83
Infectious Disease	5	40	4 - 77	4	25	6 - 80
Metabolic/Electrolyte Disorders	4	0	1 - 74	4	25	3 - 80
Pulmonary Disease	47	15	15 - 38	79	29	17 - 40
Renal Failure	2	50	7 - 96	2	100	4 - 90
Severe Acute Heart Disease	17	47	21 - 66	25	52	22 - 61
Severe Chronic Heart Disease	25	32	8 - 45	22	45	11 - 52
Severe Trauma	0	-	-	1	0	1 - 97
Gastrointestinal Disease	84	2	1 - 12	67	4	0 - 20
Gynecologic Disease	5	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	99	4	1 - 12	96	3	1 - 11
Musculoskeletal/Skin Conditions	52	2	0 - 17	46	2	0 - 60
Neuropsychiatric/Sensory Disease	17	0	0 - 75	9	0	0 -100
Urologic Disease	12	8	0 - 99	16	6	0 - 97

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 81
Occupancy Rate (%): 51
Ownership/Control: Local Government

STAFFING

Total Number of Physicians: 11
Percent of Physicians Who Are Board Certified Specialists: 73
Interns and Residents: 0
Registered Nurses: 24
Licensed Practical Nurses: 27

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

JELLICO COMMUNITY HOSP

RT 1 BOX 197
JELLICO, TN 37762

Medicare Hospital Provider Number: 440180

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	391	13	10 - 17	389	15	10 - 18
Cancer	7	57	21 - 85	12	75	32 - 81
Cerebrovascular Accidents	10	30	9 - 63	12	25	9 - 58
Gastrointestinal Catastrophes	2	100	9 - 93	2	0	2 - 89
Infectious Disease	7	71	17 - 78	9	56	14 - 73
Metabolic/Electrolyte Disorders	5	20	2 - 75	3	33	0 - 92
Pulmonary Disease	37	19	16 - 44	31	29	18 - 51
Renal Failure	0	-	-	1	100	3 - 99
Severe Acute Heart Disease	9	56	15 - 73	13	69	17 - 65
Severe Chronic Heart Disease	33	27	11 - 43	12	33	7 - 59
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	39	0	0 - 22	45	2	0 - 21
Gynecologic Disease	2	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	56	4	1 - 16	71	1	1 - 11
Musculoskeletal/Skin Conditions	18	0	0 - 83	20	0	0 - 59
Neuropsychiatric/Sensory Disease	10	0	0 - 94	10	0	0 -100
Urologic Disease	6	17	0 -100	5	0	0 - 95

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	50
Occupancy Rate (%):	86
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

JESSE HOLMAN JONES HOSP

509 BROWN ST
SPRINGFIELD, TN 37172

Medicare Hospital Provider Number: 440065

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	961	11	9 - 14	1,010	14	10 - 16
Cancer	18	56	23 - 68	18	67	26 - 70
Cerebrovascular Accidents	27	19	16 - 46	30	27	16 - 49
Gastrointestinal Catastrophes	5	20	8 - 76	6	33	13 - 79
Infectious Disease	16	31	16 - 61	19	63	22 - 65
Metabolic/Electrolyte Disorders	13	38	8 - 61	16	31	11 - 57
Pulmonary Disease	62	29	15 - 40	79	23	16 - 38
Renal Failure	5	60	13 - 87	12	58	19 - 80
Severe Acute Heart Disease	20	35	18 - 59	34	62	28 - 61
Severe Chronic Heart Disease	50	32	14 - 40	52	23	13 - 38
Severe Trauma	1	0	3 - 98	0	-	-
Gastrointestinal Disease	96	1	1 - 8	95	1	1 - 8
Gynecologic Disease	12	0	0 -100	9	0	0 -100
Low-Risk Heart Disease	162	2	1 - 8	152	3	2 - 8
Musculoskeletal/Skin Conditions	73	0	1 - 8	65	0	1 - 8
Neuropsychiatric/Sensory Disease	21	5	0 - 57	24	8	0 - 92
Urologic Disease	67	4	2 - 15	54	6	1 - 20

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	101
Occupancy Rate (%):	64
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	26
Percent of Physicians Who Are Board Certified Specialists:	50
Interns and Residents:	0
Registered Nurses:	85
Licensed Practical Nurses:	49

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

Superior care . . . by people who care.

JESSE HOLMAN JONES HOSPITAL

NORMA G. CALHOUN, ADMINISTRATOR

October 19, 1988

Health Care Financing Administration
Health Standards & Quality Bureau
Hospital Mortality Information
P.O. Box 26684
Baltimore, Maryland 21207

RE: HCFA Mortality Data - Comments From Provider #44-0065

Dear Sir:

The Jesse Holman Jones Hospital, which is JCAHO accredited, is a 160 bed short-term, acute-care facility offering a full range of inpatient and outpatient services. During 1987, JHJH staffed 101 inpatient beds. There were 27 physicians on the active staff, and 26 physicians on the consulting staff. The specialty services included a Coronary Care Unit, Organ Transplant Services and Hospice Care. Patients requiring services not offered by the Jesse Holman Jones Hospital are referred to facilities in the Nashville area. Since 1956, the Jesse Holman Jones Hospital has been serving the health care needs of citizens in Robertson County, Tennessee and portions of Cheatham County, Tennessee and Logan County, Kentucky (estimated service area of 50,000). The Jesse Holman Jones Hospital is presently a county-owned, not-for-profit facility governed by a five member board of directors. During the hospital's 31 years of operation, the governing body has been committed to serving the health care needs of the community irregardless of ability to pay. The administration, medical staff and governing body continually strive to provide up-to-date, quality health care in an efficient manner.

The quality indicator of "deaths" was included in the routine, concurrent monitoring and evaluation function of the Medical Staff Quality Assurance Committee during the HCFA data time period. This ongoing monitoring conducted by quality assurance reviewers and evaluations conducted by physicians indicate that the Jesse Holman Jones Hospital has a true commitment to a comprehensive quality assurance program. This program continues to automatically include a mortality review as one of several components.

It is important to remember that the HCFA data are not measures of hospital performance. Hospital performance can only be measured by qualified professions, i.e. physicians, and is dependent upon many variables requiring a look at quality indicators other than mortality. Note, too, the actual cause of death never entered in HCFA's analysis. The Jesse Holman Jones Hospial has a program in place which requires that all discharges by death be reviewed by the Medical Staff Quality Assurance Committee. The Jesse Holman Jones Hospital is committed to providing quality health care.

Respectfully submitted,

Norma G. Calhoun

Norma G. Calhoun
Administrator

JOHN W HARTON REGIONAL MEDICAL CENTE

1801 N JACKSON ST BOX 460
TULLAHOMA, TN 37388

Medicare Hospital Provider Number: 440144

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	676	17	10 - 16	763	12	9 - 15
Cancer	17	88	31 - 67	22	68	37 - 77
Cerebrovascular Accidents	35	31	15 - 46	32	31	17 - 49
Gastrointestinal Catastrophes	3	100	5 - 79	2	0	10 - 93
Infectious Disease	14	57	15 - 64	11	9	8 - 52
Metabolic/Electrolyte Disorders	16	19	8 - 51	8	13	1 - 65
Pulmonary Disease	45	31	15 - 44	47	34	13 - 42
Renal Failure	6	67	17 - 87	3	67	4 - 88
Severe Acute Heart Disease	29	48	23 - 59	35	43	23 - 56
Severe Chronic Heart Disease	38	29	9 - 39	30	30	11 - 44
Severe Trauma	1	0	1 - 97	2	0	3 - 88
Gastrointestinal Disease	54	7	1 - 22	79	0	1 - 7
Gynecologic Disease	2	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	86	1	1 - 9	83	0	1 - 7
Musculoskeletal/Skin Conditions	43	2	0 - 35	66	0	0 - 9
Neuropsychiatric/Sensory Disease	34	3	0 - 85	38	3	0 - 59
Urologic Disease	38	5	0 - 69	38	0	0 - 35

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	137
Occupancy Rate (%):	51
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HRMC

JOHN W. HARTON
REGIONAL MEDICAL CENTER
1801 North Jackson Street
Tullahoma, Tennessee 37388
Telephone (615) 455-0601
A NATIONAL MEDICAL ENTERPRISES HEALTH CARE CENTER

Medicare provider # 440144

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

October 20, 1988

Dear Mrs. Kappert:

Pursuant to Dr. Roper's suggestion in his September 15, 1988 letter to hospital administrators, I request that the following information be included in your December publication of the mortality data for John W. Harton Regional Medical Center.

Of the four (4) conditions which have the highest associated mortality rates among Medicare beneficiaries (stroke, pneumonia, heart attacks, and congestive heart failure), it is significant that Harton Regional Medical Center is well within the range predicted by the Federal government for patient mortality.

The report provided to the hospital breaks down the numbers by diagnostic categories (for example: stroke, kidney failure, trauma, infectious diseases.) Of the seventeen (17) categories listed, HRMC only exceeded the predicted range in two (2) areas: gastrointestinal catastrophes and cancer. The first category only contained three (3) patients, with an average age of seventy-four (74) years, all with severe cirrhosis of the liver. There were fifteen (15) patients with cancer who died. On review of these cases, it is apparent that those patients were admitted to the hospital for supportive care during the terminal phase of their illness, not for treatment in the initial phase.

If those two (2) categories of terminally ill patients are removed from the analysis, HRMC's overall mortality rate is well within the federally predicted statistics.

Sincerely,

Tom Ander

Tom Anderson, Administrator

TA:jn

JOHNSON CITY MEDICAL CTR HOSPITAL

400 STATE OF FRANKLIN RD
JOHNSON CITY, TN 37601

Medicare Hospital Provider Number: 440063

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,900	12	10 - 15	2,850	13	10 - 14
Cancer	100	46	35 - 59	92	47	33 - 57
Cerebrovascular Accidents	111	32	19 - 38	131	26	19 - 36
Gastrointestinal Catastrophes	28	29	18 - 55	19	37	16 - 60
Infectious Disease	40	40	26 - 59	31	35	21 - 58
Metabolic/Electrolyte Disorders	56	21	13 - 41	56	29	13 - 42
Pulmonary Disease	143	27	20 - 38	138	25	17 - 35
Renal Failure	18	17	10 - 62	24	38	11 - 65
Severe Acute Heart Disease	106	43	29 - 50	97	42	28 - 49
Severe Chronic Heart Disease	143	20	16 - 30	127	34	15 - 33
Severe Trauma	16	44	12 - 61	16	31	8 - 57
Gastrointestinal Disease	231	1	1 - 6	216	4	1 - 8
Gynecologic Disease	27	4	0 -100	29	0	0 -100
Low-Risk Heart Disease	335	1	2 - 5	321	2	1 - 5
Musculoskeletal/Skin Conditions	240	1	1 - 5	256	1	1 - 5
Neuropsychiatric/Sensory Disease	116	3	1 - 10	97	2	0 - 11
Urologic Disease	122	0	0 - 6	114	1	0 - 11

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	375
Occupancy Rate (%):	61
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	175
Percent of Physicians Who Are Board Certified Specialists:	75
Interns and Residents:	0
Registered Nurses:	424
Licensed Practical Nurses:	102

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

JOHNSON CO MEMORIAL HOSP-

PO BOX 49
MOUNTAIN CITY, TN 37683

Medicare Hospital Provider Number: 440171

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	218	14	9 - 19	276	13	10 - 18
Cancer	5	80	18 - 84	5	100	22 - 78
Cerebrovascular Accidents	5	60	5 - 77	9	33	11 - 68
Gastrointestinal Catastrophes	3	67	2 - 86	3	33	11 - 91
Infectious Disease	4	50	10 - 86	4	50	8 - 84
Metabolic/Electrolyte Disorders	3	0	1 - 86	3	0	1 - 82
Pulmonary Disease	25	20	16 - 49	36	25	15 - 45
Renal Failure	2	50	5 - 94	3	33	8 - 90
Severe Acute Heart Disease	11	45	12 - 66	6	50	8 - 76
Severe Chronic Heart Disease	11	18	8 - 56	16	38	9 - 55
Severe Trauma	0	-	-	1	0	0 - 99
Gastrointestinal Disease	14	0	0 - 95	22	0	0 - 50
Gynecologic Disease	1	0	0 -100	1	0	0 -100
Low-Risk Heart Disease	32	3	0 - 30	40	0	1 - 13
Musculoskeletal/Skin Conditions	8	0	0 -100	18	0	0 - 56
Neuropsychiatric/Sensory Disease	7	0	0 -100	8	0	0 -100
Urologic Disease	2	0	0 -100	7	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	66
Occupancy Rate (%):	20
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	11
Percent of Physicians Who Are Board Certified Specialists:	64
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

LAFOLLETTE COMMUNITY HOSP-

E CENTRAL AVE
LA FOLLETTE, TN 37766

Medicare Hospital Provider Number: 440033

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	711	15	11 - 18	752	19	12 - 19
Cancer	9	78	17 - 71	9	78	22 - 75
Cerebrovascular Accidents	36	31	15 - 46	29	34	14 - 49
Gastrointestinal Catastrophes	6	67	11 - 77	4	100	18 - 81
Infectious Disease	6	83	14 - 75	14	50	17 - 67
Metabolic/Electrolyte Disorders	10	40	9 - 66	12	25	6 - 58
Pulmonary Disease	87	28	18 - 40	97	49	25 - 47
Renal Failure	2	50	3 - 93	1	0	3 - 98
Severe Acute Heart Disease	32	47	23 - 58	47	51	25 - 54
Severe Chronic Heart Disease	38	18	13 - 39	42	19	13 - 39
Severe Trauma	1	0	0 - 97	0	-	-
Gastrointestinal Disease	57	2	1 - 13	65	3	0 - 18
Gynecologic Disease	6	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	109	5	1 - 12	100	3	3 - 11
Musculoskeletal/Skin Conditions	47	4	0 - 26	59	2	0 - 16
Neuropsychiatric/Sensory Disease	26	0	0 - 38	14	0	0 - 93
Urologic Disease	14	0	1 - 39	12	0	0 - 68

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	165
Occupancy Rate (%):	82
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	11
Percent of Physicians Who Are Board Certified Specialists:	91
Interns and Residents:	0
Registered Nurses:	27
Licensed Practical Nurses:	34

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

LaFollette Medical Center
HOSPITAL — NURSING HOME — HOME HEALTH
615-562-2211
P. O. BOX 1301
LAFOLLETTE, TENNESSEE 37766

October 21, 1988

PROVIDER NUMBER: 44-0033

COMMENTS REGARDING MEDICARE HOSPITAL MORTALITY INFORMATION

TO WHOM IT MAY CONCERN:

There are discrepancies in the Medicare Hospital Mortality Information on the attached page, as follows:

Number of beds: 67

Percent of Physicians who are Board certified specialists: 60

Coronary Care Unit: yes

LAKESHORE MENTAL HEALTH INSTITUTE

5908 LYONS VIEW PIKE
KNOXVILLE, TN 37919

Medicare Hospital Provider Number: 440128

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	29	14	1 - 39	37	0	3 - 15
Cancer	1	100	1 - 97	0	-	-
Cerebrovascular Accidents	1	0	0 -100	1	0	0 -100
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	3	0	0 - 88	4	0	2 - 72
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	1	0	0 - 97
Severe Chronic Heart Disease	0	-	-	1	0	0 - 99
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	0	-	-	1	0	0 -100
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	0	-	-	6	0	0 -100
Musculoskeletal/Skin Conditions	1	0	0 -100	2	0	0 -100
Neuropsychiatric/Sensory Disease	1	0	0 -100	3	0	0 -100
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	20
Ownership/Control:	State Government

STAFFING

Interns and Residents:	0
Registered Nurses:	4
Licensed Practical Nurses:	1

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

LAUGHLIN HOSP
215 N COLLEGE ST
GREENEVILLE, TN 37743

Medicare Hospital Provider Number: 440025

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,220	13	10 - 15	1,213	13	10 - 16
Cancer	17	29	16 - 59	26	27	23 - 59
Cerebrovascular Accidents	70	14	18 - 36	47	28	15 - 42
Gastrointestinal Catastrophes	7	43	8 - 73	7	71	14 - 76
Infectious Disease	19	26	14 - 56	16	38	12 - 60
Metabolic/Electrolyte Disorders	24	50	16 - 57	33	21	12 - 45
Pulmonary Disease	151	29	18 - 36	139	32	19 - 38
Renal Failure	6	67	8 - 79	4	25	13 - 90
Severe Acute Heart Disease	53	38	26 - 54	60	37	28 - 53
Severe Chronic Heart Disease	33	27	8 - 40	36	14	12 - 37
Severe Trauma	1	0	0 - 98	0	-	-
Gastrointestinal Disease	106	3	0 - 13	106	3	1 - 10
Gynecologic Disease	13	8	0 -100	17	0	0 -100
Low-Risk Heart Disease	122	2	1 - 9	142	1	1 - 7
Musculoskeletal/Skin Conditions	100	2	0 - 12	112	3	0 - 11
Neuropsychiatric/Sensory Disease	31	3	0 - 91	27	0	0 - 90
Urologic Disease	46	2	0 - 25	53	2	0 - 21

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	177
Occupancy Rate (%):	46
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	36
Percent of Physicians Who Are Board Certified Specialists:	89
Interns and Residents:	0
Registered Nurses:	56
Licensed Practical Nurses:	37

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

LEWIS CO HOSP

LINDEN HIGHWAY
HOHENWALD, TN 38462

Medicare Hospital Provider Number: 440160

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	226	12	11 - 20	317	12	9 - 18
Cancer	7	43	15 - 79	5	40	10 - 81
Cerebrovascular Accidents	4	0	10 - 73	3	67	6 - 87
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	6	0	14 - 64	2	0	5 - 89
Metabolic/Electrolyte Disorders	2	50	0 - 97	1	0	2 - 98
Pulmonary Disease	21	24	16 - 53	30	33	17 - 51
Renal Failure	0	-	-	4	50	14 - 92
Severe Acute Heart Disease	6	17	14 - 74	6	100	30 - 80
Severe Chronic Heart Disease	12	17	12 - 57	28	14	11 - 39
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	17	6	0 - 70	31	3	1 - 25
Gynecologic Disease	2	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	29	3	0 - 31	32	9	0 - 51
Musculoskeletal/Skin Conditions	9	0	0 -100	32	0	0 - 42
Neuropsychiatric/Sensory Disease	7	0	0 -100	8	0	0 -100
Urologic Disease	4	0	0 -100	3	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	52
Occupancy Rate (%):	40
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

LEWISBURG COMMUNITY HOSP

ELLINGTON PARKWAY
LEWISBURG, TN 37091

Medicare Hospital Provider Number: 440143

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	590	11	9 - 15	731	10	10 - 16
Cancer	11	27	21 - 72	10	50	24 - 80
Cerebrovascular Accidents	19	32	9 - 51	32	22	19 - 48
Gastrointestinal Catastrophes	3	67	9 - 89	0	-	-
Infectious Disease	12	25	15 - 64	16	38	16 - 63
Metabolic/Electrolyte Disorders	20	15	7 - 45	12	8	10 - 52
Pulmonary Disease	45	22	17 - 43	74	19	13 - 34
Renal Failure	5	20	12 - 83	1	0	3 - 98
Severe Acute Heart Disease	18	56	25 - 69	26	38	23 - 60
Severe Chronic Heart Disease	32	16	8 - 35	50	12	15 - 35
Severe Trauma	0	-	-	1	0	2 - 97
Gastrointestinal Disease	48	0	1 - 11	74	5	1 - 16
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	93	2	1 - 10	111	5	1 - 12
Musculoskeletal/Skin Conditions	44	0	0 - 16	48	2	0 - 19
Neuropsychiatric/Sensory Disease	17	0	0 - 94	31	10	0 - 47
Urologic Disease	20	5	0 - 53	14	7	0 - 99

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	119
Ownership/Control:	Private, For Profit

STAFFING

Interns and Residents:	0
Registered Nurses:	41
Licensed Practical Nurses:	21

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

LEWISBURG
COMMUNITY
HOSPITAL
We're Here For Life!

October 11, 1988 ID# 440143

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kapport
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kapport:

Lewisburg Community Hospital is a small community hospital serving the population of Marshall County in Middle Tennessee. The only thing special about our hospital is that we care about our neighbors, friends and relatives who are our patients. Our job is not an easy one given the decreased reimbursement and increased regulation from the Federal Government.

Upon reviewing the Medicare Hospital Mortality Information presented, we believe we have a good record. Our statistics show that we fall within the predicted range of mortality in all sixteen Diagnostic Categories. Our concern is the same one expressed by the Health Care Financing Administration (HCFA) in their letter to hospital administrators dated September 15, 1988. In this letter they state:

> "While we believe that information on hospital mortality rates is useful, until we have developed additional statistical measures to deal with complex issues such as severity of illness, we cannot and do not recommend the use of the information by itself to make judgment about the quality of care in an individual hospital or to make comparisons among hospitals."

Lewisburg Community Hospital is very interested in the upcoming Medicare Mortality Predictor System (MMPS). We believe it will contribute to our present Quality Assurance Program in a positive way. We strongly support any system that will improve patient care.

Sincerely,

David Catlin
Assistant Administrator

P.O. BOX 1609 LEWISBURG, TN 37091 TELEPHONE 615-359-6241

LINCOLN CO HOSP

700 W MAPLE
FAYETTEVILLE, TN 37334

Medicare Hospital Provider Number: 440102

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	684	13	10 - 16	812	13	11 - 16
Cancer	17	35	19 - 63	16	50	18 - 65
Cerebrovascular Accidents	33	36	12 - 45	51	22	17 - 41
Gastrointestinal Catastrophes	2	50	5 - 94	3	33	11 - 92
Infectious Disease	16	31	12 - 58	18	44	14 - 60
Metabolic/Electrolyte Disorders	14	14	7 - 51	19	11	9 - 45
Pulmonary Disease	70	19	15 - 36	79	25	17 - 39
Renal Failure	4	75	11 - 87	5	60	9 - 84
Severe Acute Heart Disease	27	52	20 - 58	34	41	24 - 57
Severe Chronic Heart Disease	51	18	15 - 37	48	23	12 - 38
Severe Trauma	2	0	2 - 89	0	-	-
Gastrointestinal Disease	79	1	1 - 10	71	3	1 - 14
Gynecologic Disease	6	0	0 -100	10	0	0 -100
Low-Risk Heart Disease	70	0	1 - 8	91	4	1 - 13
Musculoskeletal/Skin Conditions	35	0	0 - 41	51	4	0 - 33
Neuropsychiatric/Sensory Disease	19	21	0 - 76	20	0	0 - 88
Urologic Disease	30	0	0 - 52	44	2	0 - 33

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1988

Total Beds (#):	91
Ownership/Control:	Local Government

STAFFING

Interns and Residents:	0
Registered Nurses:	37
Licensed Practical Nurses:	39

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

LIVINGSTON REGIONAL HOSPITAL

315 OAK ST BOX 550
LIVINGSTON, TN 38570

Medicare Hospital Provider Number: 440187

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	689	12	11 - 16	873	11	10 - 16
Cancer	14	79	33 - 77	10	70	26 - 80
Cerebrovascular Accidents	30	27	15 - 47	25	32	17 - 54
Gastrointestinal Catastrophes	4	75	8 - 82	4	50	10 - 86
Infectious Disease	2	0	0 - 93	5	60	14 - 85
Metabolic/Electrolyte Disorders	13	31	8 - 59	17	18	9 - 51
Pulmonary Disease	82	13	16 - 34	118	17	17 - 35
Renal Failure	6	33	16 - 86	10	100	29 - 80
Severe Acute Heart Disease	24	38	22 - 60	24	29	29 - 65
Severe Chronic Heart Disease	39	26	12 - 40	43	23	13 - 40
Severe Trauma	0	-	-	1	0	0 - 98
Gastrointestinal Disease	47	0	1 - 12	85	1	1 - 9
Gynecologic Disease	1	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	111	2	2 - 8	127	3	1 - 9
Musculoskeletal/Skin Conditions	53	6	0 - 27	78	0	1 - 7
Neuropsychiatric/Sensory Disease	30	3	0 - 54	38	5	0 - 50
Urologic Disease	16	0	0 - 46	24	8	0 - 52

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	106
Occupancy Rate (%):	44
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	13
Percent of Physicians Who Are Board Certified Specialists:	38
Interns and Residents:	0
Registered Nurses:	24
Licensed Practical Nurses:	39

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

LOUDON CO MEMORIAL HOSP

VONORE RD BOX 217
LOUDON, TN 37774

Medicare Hospital Provider Number: 440110

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	351	17	9 - 18	406	12	10 - 17
Cancer	4	75	16 - 90	11	45	21 - 75
Cerebrovascular Accidents	11	27	7 - 59	16	19	15 - 55
Gastrointestinal Catastrophes	3	33	4 - 86	4	25	9 - 83
Infectious Disease	3	67	8 - 88	3	33	6 - 87
Metabolic/Electrolyte Disorders	3	67	2 - 86	7	14	2 - 67
Pulmonary Disease	41	24	14 - 43	41	29	15 - 45
Renal Failure	3	67	6 - 89	2	100	6 - 91
Severe Acute Heart Disease	16	56	18 - 64	17	53	17 - 63
Severe Chronic Heart Disease	24	21	11 - 45	28	14	9 - 38
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	33	12	0 - 55	51	0	0 - 11
Gynecologic Disease	3	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	40	2	0 - 24	41	0	0 - 14
Musculoskeletal/Skin Conditions	25	4	0 - 91	26	0	0 - 43
Neuropsychiatric/Sensory Disease	17	0	0 - 39	15	0	0 -100
Urologic Disease	2	0	0 -100	6	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 50
Occupancy Rate (%): 40
Ownership/Control: Local Government

STAFFING

Total Number of Physicians: 14
Percent of Physicians Who Are Board Certified Specialists: 71
Interns and Residents: 0
Registered Nurses: 16
Licensed Practical Nurses: 25

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

MACON CO GENERAL HOSP

204 MEDICAL DR
LAFAYETTE, TN 37083

Medicare Hospital Provider Number: 440078

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	422	12	10 - 17	422	12	9 - 16
Cancer	6	67	15 - 80	8	75	22 - 79
Cerebrovascular Accidents	9	11	14 - 62	11	36	12 - 65
Gastrointestinal Catastrophes	2	50	1 - 92	3	67	4 - 86
Infectious Disease	13	15	14 - 58	12	25	19 - 68
Metabolic/Electrolyte Disorders	22	27	13 - 54	8	0	5 - 50
Pulmonary Disease	29	31	16 - 51	40	22	14 - 42
Renal Failure	0	-	-	2	50	5 - 94
Severe Acute Heart Disease	10	60	19 - 74	8	63	21 - 81
Severe Chronic Heart Disease	25	28	9 - 45	23	17	12 - 45
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	39	5	0 - 35	47	0	0 - 14
Gynecologic Disease	1	0	0 -100	0	-	-
Low-Risk Heart Disease	58	2	1 - 13	54	0	1 - 10
Musculoskeletal/Skin Conditions	32	3	0 - 36	28	11	0 - 71
Neuropsychiatric/Sensory Disease	10	0	0 -100	13	8	0 -100
Urologic Disease	23	4	1 - 34	15	7	0 - 83

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	43
Occupancy Rate (%):	51
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	6
Percent of Physicians Who Are Board Certified Specialists:	33
Interns and Residents:	0
Registered Nurses:	11
Licensed Practical Nurses:	12

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

MAURY CO HOSP

1224 TROTWOOD AVE
COLUMBIA, TN 38401

Medicare Hospital Provider Number: 440073

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,110	12	10 - 14	2,051	11	10 - 14
Cancer	63	52	28 - 56	66	53	32 - 60
Cerebrovascular Accidents	83	22	17 - 36	75	28	18 - 39
Gastrointestinal Catastrophes	9	56	16 - 75	10	60	12 - 68
Infectious Disease	46	37	21 - 52	50	32	22 - 52
Metabolic/Electrolyte Disorders	38	29	14 - 47	31	19	8 - 42
Pulmonary Disease	103	24	17 - 36	103	33	18 - 39
Renal Failure	3	100	6 - 82	10	30	15 - 78
Severe Acute Heart Disease	97	40	30 - 52	83	42	32 - 55
Severe Chronic Heart Disease	114	27	17 - 34	117	16	16 - 32
Severe Trauma	0	-	-	4	25	2 - 81
Gastrointestinal Disease	184	3	1 - 8	177	2	1 - 7
Gynecologic Disease	28	0	0 -100	20	0	0 -100
Low-Risk Heart Disease	207	1	2 - 6	213	3	1 - 7
Musculoskeletal/Skin Conditions	206	2	1 - 6	189	2	1 - 7
Neuropsychiatric/Sensory Disease	87	3	0 - 17	93	0	0 - 7
Urologic Disease	99	1	0 - 13	86	0	0 - 8

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	274
Occupancy Rate (%):	48
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	120
Percent of Physicians Who Are Board Certified Specialists:	65
Interns and Residents:	0
Registered Nurses:	131
Licensed Practical Nurses:	95

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

MCNAIRY CO GENERAL HOSP-

705 E POPLAR AVE
SELMER, TN 38375

Medicare Hospital Provider Number: 440051

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	418	17	11 - 19	481	17	12 - 19
Cancer	6	83	21 - 82	9	78	27 - 81
Cerebrovascular Accidents	27	37	15 - 51	19	47	12 - 56
Gastrointestinal Catastrophes	1	0	0 - 99	4	25	5 - 80
Infectious Disease	9	33	11 - 69	12	50	20 - 73
Metabolic/Electrolyte Disorders	13	23	5 - 55	16	31	10 - 57
Pulmonary Disease	54	33	17 - 43	66	36	15 - 41
Renal Failure	4	75	11 - 87	6	83	17 - 84
Severe Acute Heart Disease	12	42	19 - 70	12	33	15 - 65
Severe Chronic Heart Disease	29	45	13 - 49	28	25	14 - 46
Severe Trauma	1	0	0 - 99	0	-	-
Gastrointestinal Disease	40	2	0 - 29	42	5	0 - 34
Gynecologic Disease	6	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	65	2	1 - 11	53	6	1 - 19
Musculoskeletal/Skin Conditions	25	4	0 - 79	49	0	0 - 13
Neuropsychiatric/Sensory Disease	5	20	0 -100	5	0	0 -100
Urologic Disease	6	0	0 -100	9	0	0 - 93

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

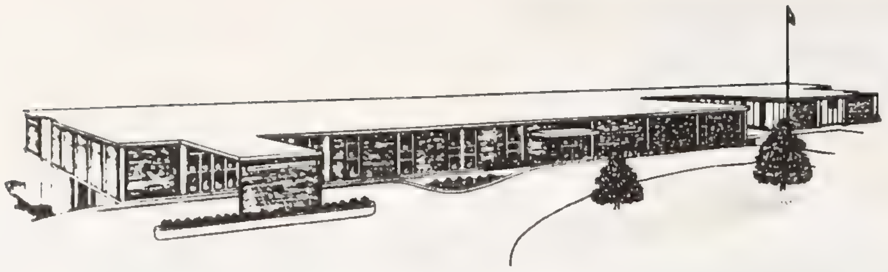
Total Beds (#):	86
Occupancy Rate (%):	28
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	12
Percent of Physicians Who Are Board Certified Specialists:	75
Interns and Residents:	0
Registered Nurses:	21
Licensed Practical Nurses:	20

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No



McNAIRY COUNTY GENERAL HOSPITAL
SELMER, TENNESSEE

ROBERT P. HANNA
ADMINISTRATOR

October 20, 1988

TO: HEALTH CARE FINANCING ADMINISTRATION

FROM: SHERRY L. MOORE, R.N., M.P.A. SM
DIRECTOR OF QUALITY ASSURANCE AND
DRG COORDINATOR

SUBJECT: HCFA MORTALITY DATA FOR MEDICARE PATIENTS TREATED AT McNAIRY COUNTY GENERAL HOSPITAL (MEDICARE PROVIDER #440051) DURING THE CALENDAR YEAR 1987

COMMENTS

DATA VERIFICATION

The data used by HCFA indicate that a total of four hundred eighteen (418) Medicare patients were discharged from McNairy County General Hospital during 1987. There were ninety-four (94) deaths reported for Medicare patients during this time frame with seventy-two (72) patients having died within thirty (30) days of admission. Sixty-five (65) patients died while still a patient of the hospital, while twenty-nine (29) died following discharge. Of those who died following discharge, only seven (7) died within thirty (30) days of admission. Without specific information contained on the death records, there is no way to determine the cause of death in these cases where death occurred after discharge from the hospital.

An error is noted in the hospital characteristics. McNairy County General Hospital is an eighty-six (86) bed acute care facility as opposed to sixty-six (66) beds as reported by HCFA.

An error was also noted in the number of patients identified with gastrointestinal disease. HCFA reports forty (40), whereas listing has forty-one (41).

INTERPRETIVE REMARKS

In one (1) of the diagnostic categories, the hospital's actual mortality rate fell outside the range of the predicted mortality rate. Several factors may account for this result.

FACTORS CREATING HIGHER THAN AVERAGE MORTALITY

1. Age of our clientale: The majority of our patients were age eighty (80) or above, which automatically places them in a high risk group.

2. Lack of skilled nursing home beds and hospice units in our service area result in many patients with chronic degenerative states to be in critical condition when admitted to the hospital and are often admitted only shortly before anticipated death.

3. The presence of comorbid conditions in most patients such as diabetes, congestive heart failure, etc., certainly adds to the risk of increased mortality.

4. Being a rural hospital, initial treatment for catastrophic illness usually takes place in a larger hospital, thus leaving the home-town hospital to provide supportive and terminal care.

RESULTS OF MEDICAL RECORD REVIEW

As a part of our routine Quality Assurance Activities, a review of death records occurring in our hospital is conducted on a monthly basis by the Medical Staff during their regularly scheduled meeting. The results of these reviews are documented in the Committee minutes. At McNairy County General Hospital, the quality of care is of utmost importance to the Governing Body, Administration, Medical Staff, and Hospital Staff. Any indication of a potential problem leads to prompt investigation to determine if a problem exists, and if so, action is taken immediately.

MEDICAL CENTER OF MANCHESTER

RT 6 BOX 6015 INTERSTATE DR
MANCHESTER, TN 37355

Medicare Hospital Provider Number: 440203

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	247	6	7 - 14	222	14	6 - 16
Cancer	3	100	20 - 93	5	100	21 - 76
Cerebrovascular Accidents	7	14	10 - 66	9	56	6 - 66
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	2	0	1 - 91	0	-	-
Metabolic/Electrolyte Disorders	4	0	4 - 71	2	50	3 - 92
Pulmonary Disease	17	6	12 - 42	15	13	7 - 47
Renal Failure	4	50	11 - 89	2	50	5 - 94
Severe Acute Heart Disease	3	67	8 - 89	4	100	12 - 75
Severe Chronic Heart Disease	8	13	11 - 63	18	33	10 - 53
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	25	4	0 - 58	21	14	0 - 96
Gynecologic Disease	2	0	0 -100	0	-	-
Low-Risk Heart Disease	38	0	0 - 17	40	2	0 - 24
Musculoskeletal/Skin Conditions	33	0	0 - 63	26	4	0 - 95
Neuropsychiatric/Sensory Disease	6	0	0 -100	5	0	0 - 99
Urologic Disease	15	0	0 -100	7	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	30
Ownership/Control:	Private, For Profit

STAFFING

Interns and Residents:	0
Registered Nurses:	33
Licensed Practical Nurses:	23

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

MEMORIAL HOSP

2500 CITICO AVE
CHATTANOOGA, TN 37404

Medicare Hospital Provider Number: 440091

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,340	9	9 - 13	3,243	10	10 - 14
Cancer	163	42	32 - 52	137	35	33 - 54
Cerebrovascular Accidents	103	24	19 - 37	87	31	20 - 41
Gastrointestinal Catastrophes	28	32	20 - 58	32	9	18 - 46
Infectious Disease	26	19	18 - 52	28	25	15 - 51
Metabolic/Electrolyte Disorders	21	43	11 - 55	31	45	18 - 55
Pulmonary Disease	117	26	16 - 35	144	24	16 - 34
Renal Failure	12	25	12 - 70	12	42	18 - 79
Severe Acute Heart Disease	96	36	27 - 49	106	23	29 - 47
Severe Chronic Heart Disease	94	24	16 - 35	96	23	14 - 33
Severe Trauma	3	33	3 - 86	1	0	0 - 99
Gastrointestinal Disease	352	1	1 - 5	314	2	1 - 6
Gynecologic Disease	64	0	0 - 98	45	2	0 -100
Low-Risk Heart Disease	478	2	2 - 5	454	6	2 - 7
Musculoskeletal/Skin Conditions	256	1	1 - 5	230	3	0 - 7
Neuropsychiatric/Sensory Disease	53	0	0 - 12	60	3	0 - 27
Urologic Disease	207	0	0 - 5	207	2	0 - 8

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	315
Occupancy Rate (%):	67
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	371
Percent of Physicians Who Are Board Certified Specialists:	67
Interns and Residents:	0
Registered Nurses:	281
Licensed Practical Nurses:	56

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

METHODIST HOSP OF LEXINGTON

200 W CHURCH ST
LEXINGTON, TN 38351

Medicare Hospital Provider Number: 440008

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	456	14	10 - 17	505	14	9 - 16
Cancer	11	91	32 - 74	12	67	28 - 79
Cerebrovascular Accidents	37	38	16 - 47	33	55	17 - 51
Gastrointestinal Catastrophes	2	0	1 - 92	4	25	9 - 83
Infectious Disease	4	50	2 - 83	1	100	0 - 98
Metabolic/Electrolyte Disorders	10	0	4 - 44	6	17	1 - 73
Pulmonary Disease	45	22	13 - 39	57	23	12 - 36
Renal Failure	0	-	-	4	100	16 - 84
Severe Acute Heart Disease	10	30	20 - 73	8	38	18 - 77
Severe Chronic Heart Disease	42	24	13 - 39	30	13	13 - 40
Severe Trauma	0	-	-	1	0	1 - 97
Gastrointestinal Disease	42	7	0 - 59	54	2	0 - 21
Gynecologic Disease	1	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	56	2	1 - 14	56	5	0 - 21
Musculoskeletal/Skin Conditions	29	0	1 - 18	45	0	0 - 18
Neuropsychiatric/Sensory Disease	7	0	0 -100	7	0	0 -100
Urologic Disease	11	0	0 -100	16	0	0 - 99

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	42
Occupancy Rate (%):	50
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

METHODIST HOSP OF MCKENZIE

945 N HIGHLAND
MCKENZIE, TN 38201

Medicare Hospital Provider Number: 440182

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	423	12	8 - 15	409	11	8 - 15
Cancer	13	69	32 - 81	12	58	23 - 75
Cerebrovascular Accidents	21	48	13 - 55	23	26	15 - 51
Gastrointestinal Catastrophes	2	0	3 - 88	4	75	6 - 80
Infectious Disease	2	0	2 - 88	1	100	2 - 97
Metabolic/Electrolyte Disorders	3	0	0 - 96	0	-	-
Pulmonary Disease	22	23	8 - 45	24	8	12 - 40
Renal Failure	4	50	13 - 91	5	80	11 - 83
Severe Acute Heart Disease	8	38	13 - 73	9	44	17 - 75
Severe Chronic Heart Disease	22	32	9 - 48	19	21	13 - 50
Severe Trauma	2	50	4 - 93	0	-	-
Gastrointestinal Disease	54	0	0 - 11	55	4	0 - 21
Gynecologic Disease	6	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	61	3	1 - 16	58	3	1 - 15
Musculoskeletal/Skin Conditions	33	3	0 - 40	44	0	0 - 16
Neuropsychiatric/Sensory Disease	13	0	0 - 63	10	0	0 -100
Urologic Disease	13	0	0 - 99	25	0	0 - 74

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	54
Occupancy Rate (%):	48
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

METHODIST HOSP OF MEMPHIS

1265 UNION AVE
MEMPHIS, TN 38104

Medicare Hospital Provider Number: 440049

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	9,311	10	10 - 13	9,119	10	10 - 14
Cancer	430	29	35 - 51	429	35	37 - 54
Cerebrovascular Accidents	363	21	21 - 32	374	25	21 - 33
Gastrointestinal Catastrophes	66	32	21 - 49	71	27	20 - 47
Infectious Disease	102	39	25 - 49	87	41	27 - 53
Metabolic/Electrolyte Disorders	146	25	18 - 41	122	24	16 - 39
Pulmonary Disease	349	25	19 - 33	290	24	18 - 32
Renal Failure	28	39	21 - 72	28	54	21 - 73
Severe Acute Heart Disease	308	33	31 - 46	335	33	33 - 47
Severe Chronic Heart Disease	393	22	18 - 29	355	19	19 - 30
Severe Trauma	20	30	13 - 57	17	18	15 - 57
Gastrointestinal Disease	686	3	2 - 5	676	2	2 - 5
Gynecologic Disease	74	1	0 - 95	83	2	0 - 99
Low-Risk Heart Disease	1,509	4	2 - 5	1,398	3	2 - 5
Musculoskeletal/Skin Conditions	895	2	1 - 4	893	1	1 - 4
Neuropsychiatric/Sensory Disease	332	2	1 - 6	336	2	1 - 6
Urologic Disease	361	1	0 - 5	401	2	1 - 6

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1988

Total Beds (#):	1,351
Ownership/Control:	Church

STAFFING

Interns and Residents:	35
Registered Nurses:	880
Licensed Practical Nurses:	186

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	Yes
Hospice Care:	Yes

METHODIST.
METHODIST HOSPITALS OF MEMPHIS

October 21, 1988

Provider:440049

Sandra Kappert
Health Standards and Quality Bureau
Health Care Financing Administration
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Mrs. Kappert:

Methodist Hospitals of Memphis wishes to enter the following comments regarding the Medicare Hospital Mortality statistical review for our facility:

- Methodist Hospitals of Memphis is committed to providing high quality patient care. The 1987 statistics for our facility are well within the predicted ranges and very similar to those for 1986.

- We are a tertiary referral center serving a four (4) state area which specializes in cardiovascular, cancer, and neurological treatment. These referral patterns bring many critically injured and ill patients to our facility from other smaller facilities.

- HCFA has chosen as a database all persons who died within 30 days of their admission to our facility regardless of whether the death occurred in the facility or after the patient was discharged. Methodist's statistical base contains over 400 patients who died after leaving the hospital. This implies, incorrectly, that there may be a direct correlation between the care of the patient and the cause of death. The patient could have died from some cause totally unrelated to the hospitalization such as a car wreck and still be included in the statistics. We believe this process introduces a significant error into this data lessening its stated value to the public in determining the comparative quality of healthcare providers.

- Our current staff of Nursing care givers (RN and LPN) is approximately 0.9 FTE's per occupied bed. Monitrend reports indicate we are comparable to other institutions within the state.

We appreciate the opportunity to comment on the mortality statistics.

Sincerely,

Maurice W. Elliott

Maurice W. Elliott
President

METHODIST HOSP OF MIDDLE TN

COWAN RD
WINCHESTER, TN 37398

Medicare Hospital Provider Number: 440058

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	921	13	9 - 14	798	12	8 - 14
Cancer	21	48	28 - 70	10	20	21 - 71
Cerebrovascular Accidents	14	21	10 - 54	19	26	12 - 52
Gastrointestinal Catastrophes	2	0	2 - 89	8	38	6 - 69
Infectious Disease	12	50	14 - 67	6	50	11 - 78
Metabolic/Electrolyte Disorders	14	36	9 - 60	6	0	4 - 59
Pulmonary Disease	89	31	16 - 38	65	26	16 - 40
Renal Failure	8	63	8 - 75	1	100	3 - 98
Severe Acute Heart Disease	17	59	22 - 67	22	50	23 - 64
Severe Chronic Heart Disease	54	28	12 - 37	33	36	10 - 44
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	83	2	1 - 12	92	3	1 - 12
Gynecologic Disease	19	0	0 -100	17	0	0 -100
Low-Risk Heart Disease	99	0	2 - 6	85	2	1 - 11
Musculoskeletal/Skin Conditions	79	5	0 - 21	70	4	0 - 24
Neuropsychiatric/Sensory Disease	31	6	0 - 37	25	0	0 - 67
Urologic Disease	23	0	0 - 89	29	3	0 - 62

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1988

Total Beds (#):	126
Ownership/Control:	Church

STAFFING

Interns and Residents:	0
Registered Nurses:	53
Licensed Practical Nurses:	35

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

METHODIST HOSPITAL
OF MIDDLE TENNESSEE

Winchester, TN 37398
615-967-8200

MEDICARE PROVIDER
# 440058

October 18, 1988

Health Standards and Quality Bureau, HCFA
Attn: Mrs. Sandra Kappert
2-D-2 Meadows East Bldg.
6325 Security Boulevard
Baltimore, Md. 21207

Re: 1987 HCFA Mortality Data

Dear Mrs. Kappert:

Our comments regarding the above information are as follows:

> Methodist Hospital of Middle Tennessee has, for a number of years, had a Coronary Care Unit. The Hospital Characteristic Section indicates otherwise. It is felt this correction would alter our rating within the norms for some categories.

Thank you for the opportunity to respond.

Yours truly,

Thomas L Harper

Thomas L. Harper
Administrator

METHODIST HOSP OF SOMERVILLE

HWY 64 E BOX 98
SOMERVILLE, TN 38068

Medicare Hospital Provider Number: 440168

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	309	14	10 - 18	345	12	10 - 18
Cancer	6	50	10 - 78	5	80	24 - 91
Cerebrovascular Accidents	11	36	10 - 63	13	31	7 - 56
Gastrointestinal Catastrophes	2	0	1 - 89	1	0	0 - 99
Infectious Disease	16	38	15 - 61	11	27	15 - 66
Metabolic/Electrolyte Disorders	7	14	8 - 66	7	14	2 - 67
Pulmonary Disease	21	24	9 - 47	19	32	13 - 54
Renal Failure	1	100	3 - 98	1	100	3 -100
Severe Acute Heart Disease	10	30	20 - 74	19	53	29 - 71
Severe Chronic Heart Disease	14	21	13 - 56	20	25	11 - 50
Severe Trauma	3	0	7 - 80	1	0	0 - 97
Gastrointestinal Disease	29	10	0 - 50	21	0	0 - 38
Gynecologic Disease	2	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	45	0	1 - 12	41	0	1 - 13
Musculoskeletal/Skin Conditions	12	0	0 -100	21	0	0 - 49
Neuropsychiatric/Sensory Disease	3	0	0 -100	8	0	0 -100
Urologic Disease	23	4	0 -100	29	0	0 - 32

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 38
Occupancy Rate (%): 50
Ownership/Control: Church

STAFFING

Total Number of Physicians: (not available)
Percent of Physicians Who Are Board Certified Specialists: (not available)
Interns and Residents: (not available)
Registered Nurses: (not available)
Licensed Practical Nurses: (not available)

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

METHODIST.
METHODIST HOSPITAL OF SOMERVILLE

September 22, 1988

Mrs. Sandra Kappert
Health Care financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2-D-2
6325 Security Boulevard
Baltimore, Maryland 21207

RE: HOSPITAL ID 440168
METHODIST HOSPITAL OF SOMERVILLE

Dear Mrs. Kappert:

Thank you for the mortality information which we have reviewed. We again reviewed the chart of [redacted] [redacted] [redacted] who died of [redacted] [redacted] This one death results in a 100 percent mortality rate for this particular category. It is also significant to note that the secondary diagnosis was Digestive Neoplasm. I do not know whether you may want to reclassify this death or not; however, I believe the additional information is a benefit.

Sincerely yours,

Carlos J. Smith, FACHE
Administrator

CJS:rp

cc: David Jakes, Vice President - Methodist Health Systems
Bob Loflin, Executive Vice President - Tennessee Hospital Association
American Hospital Association

METHODIST HOSPITAL OF DYERSBURG

400 TICKLE ST
DYERSBURG, TN 38024

Medicare Hospital Provider Number: 440072

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,106	14	10 - 15	1,049	15	9 - 14
Cancer	28	50	23 - 61	31	61	24 - 60
Cerebrovascular Accidents	50	34	14 - 41	31	32	14 - 47
Gastrointestinal Catastrophes	8	25	7 - 67	8	50	9 - 71
Infectious Disease	16	38	13 - 60	6	33	7 - 74
Metabolic/Electrolyte Disorders	28	61	22 - 61	8	25	2 - 68
Pulmonary Disease	109	21	16 - 35	80	25	15 - 37
Renal Failure	8	50	7 - 75	4	50	4 - 84
Severe Acute Heart Disease	40	32	23 - 53	52	44	26 - 54
Severe Chronic Heart Disease	50	18	12 - 35	41	34	10 - 40
Severe Trauma	3	0	2 - 81	0	-	-
Gastrointestinal Disease	112	8	0 - 17	103	5	1 - 14
Gynecologic Disease	12	0	0 -100	10	0	0 -100
Low-Risk Heart Disease	140	4	1 - 9	114	7	0 - 15
Musculoskeletal/Skin Conditions	72	4	0 - 26	65	0	1 - 9
Neuropsychiatric/Sensory Disease	20	0	0 - 38	27	4	0 - 59
Urologic Disease	71	3	0 - 23	74	5	1 - 18

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	225
Occupancy Rate (%):	85
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

METHODIST MEDICAL CENTER OF OAK RIDG

990 OAK RIDGE TURNPIKE BOX 529
OAK RIDGE, TN 37830

Medicare Hospital Provider Number: 440034

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,451	12	9 - 13	2,292	11	8 - 12
Cancer	95	46	30 - 54	99	38	30 - 53
Cerebrovascular Accidents	59	32	14 - 39	55	35	14 - 40
Gastrointestinal Catastrophes	20	50	14 - 59	11	27	14 - 66
Infectious Disease	19	37	15 - 59	31	19	17 - 50
Metabolic/Electrolyte Disorders	31	26	9 - 45	28	11	11 - 41
Pulmonary Disease	160	24	17 - 34	122	20	16 - 34
Renal Failure	7	57	9 - 78	10	40	12 - 76
Severe Acute Heart Disease	89	39	26 - 49	64	48	24 - 50
Severe Chronic Heart Disease	92	26	14 - 33	79	25	14 - 35
Severe Trauma	3	33	2 - 86	2	0	1 - 89
Gastrointestinal Disease	191	4	1 - 9	186	2	1 - 7
Gynecologic Disease	22	0	0 -100	15	0	0 -100
Low-Risk Heart Disease	279	4	1 - 7	247	4	1 - 7
Musculoskeletal/Skin Conditions	260	3	0 - 7	263	1	0 - 5
Neuropsychiatric/Sensory Disease	88	0	0 - 8	108	2	0 - 13
Urologic Disease	119	2	0 - 9	102	1	0 - 13

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 225
Occupancy Rate (%): 75
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: (not available)
Percent of Physicians Who Are Board Certified Specialists: (not available)
Interns and Residents: (not available)
Registered Nurses: (not available)
Licensed Practical Nurses: (not available)

SPECIALTY SERVICES

Shock/Trauma Unit: Yes
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

METHODIST
MEDICAL
CENTER
OF OAK RIDGE

President
Marshall Whisnant
Executive Vice-President
Ralph Lillard
Vice-Presidents
George Mathews
Elizabeth Cantwell
Richard Stooksbury

October 20, 1988

Health Standards and Quality Bureau, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Hospital No. 440034

Dear Mrs. Kappert:

We have reviewed the 1987 Medicare Patient Mortality Data published by your office on deceased patients seen at Methodist Medical Center.

There is incorrect information contained in the section on "Hospital Characteristics." I have furnished the correct information below. The hospital described is not Methodist Medical Center. In addition to the data being incorrect, we did not report statistics to the AHA for 1986 and were shown in the "Guide" issue as a non-reporting hospital. The "Hospital Documentation" section of our form is reproduced below. The correct 1986 data computed by me from our records are in parenthesis:

Survey and Year: AHA 1986 (Tennessee Joint Annual Report Statistics 1986)

Beds (#)	151	(301 licensed - 244 staffed)
Occupancy Rate	77	(57.4 licensed - 70.8 staffed)
Ownership/Control	Church	(Church)
Staffing:		
Total No. of Physicians	145	(157)
% of Physicians Who Are Board Certified Specialists	53	(73)
Intern & Residents per Bed	0.04	(None)
Registered Nurses per Bed	1.01	(.6 licensed, .82 staffed)
LPNs per Bed	0.23	(.33 licensed, .41 staffed)
Specialty Services:		
Shock/Trauma or Burn Unit	Yes	(No)
Coronary Care Unit	No	(Yes)
Organ Transplant Service	Yes	(No)
Hospice Care	No	(Yes) Home Care

We did not review the list of patients in detail (other than to sample them to see if they were admitted here.) They appear to be patients who were admitted to Methodist Medical Center in 1987.

We continue to protest this exercise as being laborious and counterproductive to cost-effective healthcare goals, and possibly misleading to patients who try to use it to make healthcare decisions about acute inpatient hospital care.

Sincerely,

George Mathews
Administrator

GM/vb

METRO NASHVILLE GENERAL HOSP

72 HERMITAGE AV
NASHVILLE, TN 37210

Medicare Hospital Provider Number: 440111

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	677	10	8 - 14	650	14	8 - 15
Cancer	19	26	18 - 59	21	24	17 - 55
Cerebrovascular Accidents	22	27	8 - 46	18	11	10 - 43
Gastrointestinal Catastrophes	10	20	15 - 67	9	56	11 - 70
Infectious Disease	13	31	10 - 60	14	36	9 - 59
Metabolic/Electrolyte Disorders	25	28	7 - 47	10	20	7 - 60
Pulmonary Disease	43	23	8 - 36	43	42	14 - 45
Renal Failure	1	100	2 - 97	3	33	8 - 90
Severe Acute Heart Disease	26	38	19 - 56	27	30	16 - 51
Severe Chronic Heart Disease	41	20	9 - 35	34	12	10 - 34
Severe Trauma	1	0	0 -100	4	25	2 - 81
Gastrointestinal Disease	34	0	1 - 17	31	3	0 - 45
Gynecologic Disease	9	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	58	3	0 - 18	67	9	0 - 29
Musculoskeletal/Skin Conditions	57	0	0 - 15	48	10	0 - 98
Neuropsychiatric/Sensory Disease	38	0	0 - 41	30	3	0 - 39
Urologic Disease	19	5	0 -100	20	5	0 - 97

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	178
Occupancy Rate (%):	73
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	63
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	106
Licensed Practical Nurses:	99

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

MIDDLE TENNESSEE MEDICAL CENTER INC

N UNIVERSITY ST
MURFREESBORO, TN 37130

Medicare Hospital Provider Number: 440053

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,642	12	9 - 14	1,579	11	9 - 13
Cancer	67	37	26 - 52	42	38	28 - 59
Cerebrovascular Accidents	70	20	17 - 37	61	31	16 - 40
Gastrointestinal Catastrophes	20	30	15 - 57	12	33	10 - 63
Infectious Disease	22	36	18 - 59	10	60	15 - 71
Metabolic/Electrolyte Disorders	15	7	7 - 44	17	29	8 - 54
Pulmonary Disease	117	29	17 - 36	111	14	17 - 35
Renal Failure	5	40	5 - 81	6	67	14 - 85
Severe Acute Heart Disease	56	38	27 - 53	53	49	25 - 53
Severe Chronic Heart Disease	66	27	13 - 35	85	15	17 - 34
Severe Trauma	4	50	2 - 83	1	100	0 - 98
Gastrointestinal Disease	131	2	1 - 9	129	1	1 - 7
Gynecologic Disease	30	0	0 -100	17	0	0 -100
Low-Risk Heart Disease	164	2	2 - 7	153	5	1 - 10
Musculoskeletal/Skin Conditions	163	3	0 - 9	185	3	0 - 10
Neuropsychiatric/Sensory Disease	36	6	0 - 70	54	2	0 - 20
Urologic Disease	110	4	0 - 16	110	2	0 - 12

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	187
Occupancy Rate (%):	67
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	97
Percent of Physicians Who Are Board Certified Specialists:	66
Interns and Residents:	0
Registered Nurses:	187
Licensed Practical Nurses:	49

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

MORRISTOWN-HAMBLEN HOSP-

908 W 4TH NORTH ST
MORRISTOWN, TN 37814

Medicare Hospital Provider Number: 440030

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	882	12	9 - 14	917	11	9 - 15
Cancer	17	71	21 - 65	17	53	23 - 69
Cerebrovascular Accidents	40	25	15 - 42	37	27	15 - 45
Gastrointestinal Catastrophes	4	25	3 - 80	5	60	4 - 78
Infectious Disease	7	29	21 - 82	3	33	9 - 90
Metabolic/Electrolyte Disorders	7	14	4 - 65	7	0	4 - 54
Pulmonary Disease	73	34	16 - 40	81	21	15 - 36
Renal Failure	9	56	13 - 78	7	71	13 - 81
Severe Acute Heart Disease	30	23	23 - 54	47	43	26 - 55
Severe Chronic Heart Disease	45	22	11 - 36	46	22	11 - 37
Severe Trauma	2	50	1 - 92	1	0	0 - 99
Gastrointestinal Disease	86	5	0 - 18	98	3	1 - 11
Gynecologic Disease	5	0	0 -100	7	0	0 -100
Low-Risk Heart Disease	129	2	1 - 7	129	0	2 - 5
Musculoskeletal/Skin Conditions	79	0	1 - 7	72	4	0 - 20
Neuropsychiatric/Sensory Disease	16	6	0 - 99	17	0	0 - 94
Urologic Disease	39	3	0 - 60	43	2	0 - 35

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 148
Occupancy Rate (%): 51
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 50
Percent of Physicians Who Are Board Certified Specialists: 46
Interns and Residents: 0
Registered Nurses: 82
Licensed Practical Nurses: 46

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

NASHVILLE MEMORIAL HOSP-

612 W DUE WEST AVE
MADISON, TN 37115

Medicare Hospital Provider Number: 440006

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,459	9	8 - 12	2,631	9	8 - 12
Cancer	101	45	32 - 56	102	46	30 - 54
Cerebrovascular Accidents	97	26	17 - 36	103	27	18 - 37
Gastrointestinal Catastrophes	13	31	12 - 62	14	29	12 - 61
Infectious Disease	16	19	18 - 59	20	25	19 - 60
Metabolic/Electrolyte Disorders	15	7	10 - 46	21	10	9 - 42
Pulmonary Disease	108	20	17 - 36	123	24	14 - 33
Renal Failure	15	7	14 - 63	11	55	17 - 80
Severe Acute Heart Disease	62	40	27 - 53	60	32	28 - 53
Severe Chronic Heart Disease	93	23	15 - 33	108	17	14 - 30
Severe Trauma	6	17	6 - 70	5	20	5 - 75
Gastrointestinal Disease	218	2	1 - 6	213	3	1 - 8
Gynecologic Disease	15	0	0 -100	13	0	0 -100
Low-Risk Heart Disease	358	3	2 - 6	366	4	2 - 6
Musculoskeletal/Skin Conditions	372	1	1 - 5	343	1	0 - 5
Neuropsychiatric/Sensory Disease	104	2	0 - 10	143	1	0 - 8
Urologic Disease	93	0	0 - 8	122	0	0 - 7

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	314
Occupancy Rate (%):	63
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	132
Percent of Physicians Who Are Board Certified Specialists:	68
Interns and Residents:	0
Registered Nurses:	227
Licensed Practical Nurses:	71

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

NASHVILLE METRO BORDEUX HOSPITAL

COUNTY HOSPITAL ROAD
NASHVILLE, TN 37218

Medicare Hospital Provider Number: 440204

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	62	47	14 - 39	68	41	10 - 34
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	0	-	-	1	100	1 - 97
Gastrointestinal Catastrophes	0	-	-	1	100	2 - 97
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	5	20	2 - 76	4	0	1 - 75
Pulmonary Disease	22	64	15 - 55	18	56	9 - 54
Renal Failure	0	-	-	1	100	1 - 97
Severe Acute Heart Disease	0	-	-	1	100	3 - 98
Severe Chronic Heart Disease	13	85	13 - 55	13	62	6 - 58
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	3	0	0 -100	0	-	-
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	0	-	-	1	0	0 -100
Musculoskeletal/Skin Conditions	0	-	-	2	0	0 -100
Neuropsychiatric/Sensory Disease	0	-	-	0	-	-
Urologic Disease	0	-	-	0	-	-

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1986

Total Beds (#):	15
Ownership/Control:	Local Government

STAFFING

Interns and Residents:	0
Registered Nurses:	5
Licensed Practical Nurses:	3

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

NORTHSIDE HOSP-

401 PRINCETON RD
JOHNSON CITY, TN 37601

Medicare Hospital Provider Number: 440184

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	732	12	7 - 13	726	10	7 - 13
Cancer	10	60	13 - 69	15	47	15 - 64
Cerebrovascular Accidents	21	38	11 - 52	19	16	13 - 49
Gastrointestinal Catastrophes	4	50	11 - 87	1	100	0 - 99
Infectious Disease	8	13	17 - 69	7	43	7 - 72
Metabolic/Electrolyte Disorders	9	44	11 - 70	10	40	10 - 67
Pulmonary Disease	30	17	14 - 43	47	15	13 - 37
Renal Failure	2	50	2 - 92	1	100	2 -100
Severe Acute Heart Disease	24	54	21 - 60	22	27	22 - 60
Severe Chronic Heart Disease	26	46	10 - 48	41	24	12 - 39
Severe Trauma	0	-	-	1	0	1 - 97
Gastrointestinal Disease	61	2	0 - 18	45	2	0 - 23
Gynecologic Disease	2	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	82	1	1 - 9	72	1	1 - 11
Musculoskeletal/Skin Conditions	101	0	0 - 7	95	0	0 - 7
Neuropsychiatric/Sensory Disease	21	0	0 - 48	22	5	0 - 96
Urologic Disease	22	0	0 -100	29	3	0 - 44

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	154
Occupancy Rate (%):	44
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	69
Percent of Physicians Who Are Board Certified Specialists:	80
Interns and Residents:	0
Registered Nurses:	70
Licensed Practical Nurses:	22

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

NORTHWEST GENERAL HOSP

5310 WESTERN AV
KNOXVILLE, TN 37921

Medicare Hospital Provider Number: 440146

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	74	4	2 - 14	68	0	3 - 10
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	0	-	-	0	-	-
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	1	0	2 - 97
Metabolic/Electrolyte Disorders	0	-	-	0	-	-
Pulmonary Disease	6	17	2 - 71	8	0	4 - 48
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	0	-	-
Severe Chronic Heart Disease	2	0	3 - 88	1	0	0 - 99
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	6	0	0 -100	4	0	0 -100
Gynecologic Disease	1	0	0 -100	0	-	-
Low-Risk Heart Disease	5	0	0 -100	4	0	0 -100
Musculoskeletal/Skin Conditions	25	4	0 -100	27	0	0 - 73
Neuropsychiatric/Sensory Disease	3	0	0 -100	3	0	0 -100
Urologic Disease	1	0	0 -100	2	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	19
Occupancy Rate (%):	(not available)
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	(not available)
Burn Unit:	(not available)
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	(not available)
Organ Transplant Service:	(not available)
Hospice Care:	(not available)

PARK WEST HOSP

9352 PARK WEST BLVD
KNOXVILLE, TN 37933

Medicare Hospital Provider Number: 440173

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,281	9	8 - 12	2,335	9	8 - 12
Cancer	90	33	31 - 55	68	40	31 - 57
Cerebrovascular Accidents	69	30	17 - 39	53	19	18 - 41
Gastrointestinal Catastrophes	11	27	16 - 68	19	26	16 - 59
Infectious Disease	23	26	24 - 62	21	48	20 - 63
Metabolic/Electrolyte Disorders	9	11	9 - 59	18	17	12 - 51
Pulmonary Disease	88	26	14 - 36	90	23	14 - 35
Renal Failure	3	33	5 - 88	8	25	16 - 81
Severe Acute Heart Disease	55	44	26 - 53	78	41	25 - 48
Severe Chronic Heart Disease	83	27	14 - 35	88	26	15 - 35
Severe Trauma	4	25	2 - 81	5	20	4 - 75
Gastrointestinal Disease	193	2	1 - 6	216	3	1 - 7
Gynecologic Disease	58	2	0 -100	48	0	0 -100
Low-Risk Heart Disease	232	3	1 - 7	219	2	1 - 6
Musculoskeletal/Skin Conditions	191	1	1 - 5	222	0	1 - 4
Neuropsychiatric/Sensory Disease	174	3	1 - 9	133	2	0 - 11
Urologic Disease	272	1	0 - 6	272	2	0 - 8

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	325
Occupancy Rate (%):	59
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	169
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	0
Registered Nurses:	244
Licensed Practical Nurses:	54

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

PARKRIDGE HOSP

2333 MCCALLIE AVE
CHATTANOOGA, TN 37404

Medicare Hospital Provider Number: 440156

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,937	10	8 - 13	2,068	11	8 - 13
Cancer	73	40	33 - 59	81	49	32 - 58
Cerebrovascular Accidents	75	20	17 - 37	81	25	19 - 39
Gastrointestinal Catastrophes	11	27	11 - 64	18	28	13 - 57
Infectious Disease	17	59	18 - 64	27	41	18 - 57
Metabolic/Electrolyte Disorders	12	33	5 - 60	10	0	5 - 44
Pulmonary Disease	105	29	16 - 36	113	27	16 - 35
Renal Failure	10	60	17 - 80	6	67	10 - 81
Severe Acute Heart Disease	61	26	26 - 50	54	41	24 - 51
Severe Chronic Heart Disease	62	16	12 - 32	75	28	13 - 35
Severe Trauma	0	-	-	1	0	0 - 99
Gastrointestinal Disease	219	0	1 - 5	243	2	1 - 6
Gynecologic Disease	20	0	0 -100	31	0	0 - 96
Low-Risk Heart Disease	231	3	1 - 7	216	2	1 - 6
Musculoskeletal/Skin Conditions	225	1	0 - 5	251	1	0 - 5
Neuropsychiatric/Sensory Disease	42	5	0 - 30	65	2	0 - 24
Urologic Disease	70	6	0 - 50	72	1	0 - 18

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	214
Occupancy Rate (%):	59
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	233
Percent of Physicians Who Are Board Certified Specialists:	56
Interns and Residents:	0
Registered Nurses:	163
Licensed Practical Nurses:	33

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

PARKVIEW MEDICAL CENTER

P.O. BOX 1225
NASHVILLE, TN 37202

Medicare Hospital Provider Number: 440161

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,494	10	11 - 15	2,584	9	10 - 14
Cancer	152	34	34 - 54	189	30	32 - 51
Cerebrovascular Accidents	68	25	18 - 40	85	18	17 - 36
Gastrointestinal Catastrophes	22	23	17 - 55	12	42	12 - 66
Infectious Disease	15	47	17 - 66	19	37	21 - 65
Metabolic/Electrolyte Disorders	26	42	10 - 50	22	32	5 - 49
Pulmonary Disease	109	20	22 - 40	87	14	15 - 33
Renal Failure	8	25	14 - 77	4	75	10 - 86
Severe Acute Heart Disease	103	26	27 - 46	88	24	27 - 47
Severe Chronic Heart Disease	99	17	17 - 34	66	23	14 - 36
Severe Trauma	5	40	4 - 78	5	20	4 - 75
Gastrointestinal Disease	184	3	1 - 8	187	1	1 - 6
Gynecologic Disease	35	0	0 -100	36	0	0 -100
Low-Risk Heart Disease	416	3	2 - 7	405	4	2 - 7
Musculoskeletal/Skin Conditions	151	2	1 - 8	173	1	1 - 6
Neuropsychiatric/Sensory Disease	165	2	1 - 8	225	2	1 - 7
Urologic Disease	87	3	0 - 21	96	5	0 - 26

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	441
Occupancy Rate (%):	64
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	264
Percent of Physicians Who Are Board Certified Specialists:	87
Interns and Residents:	0
Registered Nurses:	315
Licensed Practical Nurses:	111

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	Yes
Hospice Care:	No

Hospital Provider #440161

HCA Park View
Medical Center

October 5, 1988

Health Standards and Quality Bureau, HCFA
Attn: Ms. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Again this year, HCA Park View Medical Center is gratified to note that its mortality rates are within the Medicare "range for predictive mortality" with most of our rates at the low ends of the calculated ranges. We continue to strive for low mortality that is consistent with high quality patient care.

Again this year, we stress that such figures can be quite misleading to the public unless the severity of illness of the patients treated is understood. The average severity of illness of Medicare patients cared for in hospitals is roughly reflected by the hospital case mix indices published yearly in the Federal Register. HCA Park View Medical Center's index published September 1, 1987 was 1.3500, the third highest in ranking of illness severity among the ten Nashville hospitals listed. Thus, we are especially proud that our "low" mortality figures occur in a setting of very ill patients.

May we suggest that the case mix index for the respective hospitals be furnished to the public subsequently along with the mortality figures. That would seem at least as relevant to us as some of the parameters now included such as "interns and residents per bed" or "ownership/control."

Thank you for responding to this reply.

R.H. Alford, M.D. Mark T. Brenzel

Robert H. Alford, M.D.
Medical Director
Park View Medical Center

Mark T. Brenzel
Acting Administrator
Park View Medical Center

RHA/whs

230 25th Avenue North
Nashville, Tennessee 37203
Telephone: (615) 340-1000
A Subsidiary of HCA, The Healthcare Company

PERRY MEMORIAL HOSP

HWY 13 S
LINDEN, TN 37096

Medicare Hospital Provider Number: 440040

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	231	12	7 - 16	308	15	8 - 17
Cancer	1	100	2 - 97	8	100	31 - 72
Cerebrovascular Accidents	11	27	9 - 60	5	60	4 - 77
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	2	50	7 - 95	3	67	8 - 88
Metabolic/Electrolyte Disorders	0	-	-	3	0	2 - 81
Pulmonary Disease	11	27	9 - 60	26	31	13 - 49
Renal Failure	5	80	17 - 87	3	67	10 - 92
Severe Acute Heart Disease	5	40	5 - 77	12	42	18 - 69
Severe Chronic Heart Disease	18	17	8 - 45	19	26	7 - 48
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	21	0	0 - 89	23	0	0 - 52
Gynecologic Disease	0	-	-	2	0	0 -100
Low-Risk Heart Disease	36	0	0 - 17	44	2	0 - 20
Musculoskeletal/Skin Conditions	20	0	0 - 99	31	6	0 - 93
Neuropsychiatric/Sensory Disease	5	0	0 - 98	8	0	0 -100
Urologic Disease	6	0	0 -100	3	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	53
Occupancy Rate (%):	(not available)
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	(not available)
Burn Unit:	(not available)
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	(not available)
Organ Transplant Service:	(not available)
Hospice Care:	(not available)

REGIONAL HOSPITAL OF JACKSON

49 OLD HICKORY BLVD
JACKSON, TN 38305

Medicare Hospital Provider Number: 440189

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,040	12	10 - 15	1,122	13	8 - 14
Cancer	34	32	31 - 64	32	41	28 - 63
Cerebrovascular Accidents	19	37	12 - 54	13	46	12 - 62
Gastrointestinal Catastrophes	9	33	11 - 69	12	25	14 - 64
Infectious Disease	22	50	31 - 73	8	25	16 - 73
Metabolic/Electrolyte Disorders	26	31	18 - 56	15	13	12 - 53
Pulmonary Disease	28	25	13 - 47	47	38	16 - 45
Renal Failure	11	45	20 - 82	11	36	5 - 70
Severe Acute Heart Disease	10	80	20 - 70	9	33	14 - 71
Severe Chronic Heart Disease	26	38	14 - 51	26	38	13 - 50
Severe Trauma	3	0	2 - 80	13	15	5 - 53
Gastrointestinal Disease	68	6	1 - 18	96	3	0 - 13
Gynecologic Disease	5	0	0 -100	5	20	0 -100
Low-Risk Heart Disease	55	5	1 - 18	66	11	1 - 21
Musculoskeletal/Skin Conditions	194	1	1 - 5	208	1	0 - 6
Neuropsychiatric/Sensory Disease	11	0	1 - 44	18	0	0 - 70
Urologic Disease	63	5	0 - 24	43	0	0 - 15

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	166
Ownership/Control:	Private, For Profit

STAFFING

Interns and Residents:	0
Registered Nurses:	76
Licensed Practical Nurses:	24

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

REGIONAL MEDICAL CENTER AT MEMPHIS

877 JEFFERSON
MEMPHIS, TN 38103

Medicare Hospital Provider Number: 440152

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,178	21	9 - 15	1,119	22	11 - 17
Cancer	32	34	24 - 58	54	56	27 - 56
Cerebrovascular Accidents	62	39	13 - 39	86	29	16 - 36
Gastrointestinal Catastrophes	11	55	6 - 63	12	42	6 - 61
Infectious Disease	30	70	17 - 52	34	65	18 - 53
Metabolic/Electrolyte Disorders	44	25	13 - 44	36	36	8 - 44
Pulmonary Disease	80	38	13 - 37	65	37	12 - 37
Renal Failure	13	62	13 - 72	12	33	9 - 70
Severe Acute Heart Disease	32	44	17 - 51	36	50	22 - 54
Severe Chronic Heart Disease	52	15	13 - 34	37	24	9 - 38
Severe Trauma	26	35	9 - 50	29	59	14 - 54
Gastrointestinal Disease	65	8	0 - 31	43	5	0 - 25
Gynecologic Disease	9	0	0 -100	6	0	0 -100
Low-Risk Heart Disease	91	5	1 - 15	77	8	1 - 18
Musculoskeletal/Skin Conditions	104	7	0 - 33	93	4	0 - 22
Neuropsychiatric/Sensory Disease	36	6	0 - 80	52	8	0 - 50
Urologic Disease	7	0	0 -100	6	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	424
Occupancy Rate (%):	84
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	267
Percent of Physicians Who Are Board Certified Specialists:	72
Interns and Residents:	0
Registered Nurses:	502
Licensed Practical Nurses:	184

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	Yes
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

THE MED

October 19, 1988

Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building, 2-D-2
6325 Security Boulevard
Baltimore, Maryland 21207
ATTENTION: Sandra Kappert

The Regional Medical Center at Memphis (The MED), a public, high-indigent patient population, teaching hospital, is a high outlier in the HCFA Medicare mortality report. Intensive internal review of our Medicare population was supplemented by outside consultation for research comparison of our own and other institutional Medicare populations. Results of these studies confirm our conclusions of last year that the Medicare population at this urban, central city institution is, significantly, a sicker cohort of patients than most.

In one of our studies, a total of 416 charts reviewed, including a random comparison sample of 169 charts of people who did not die, we saw the following:

Variable	Died (N=248)	Comparison (N=169)	Difference
Age (S.D.)	74.2 (12.2)	68.2 (16.6)	P < .001
Emergency Admissions	97.2%	84.0%	
APACHEII Scores, Admission (S.D.	18.2 (7.6)	9.5 (5.2)	P = .001
Hospitalizations in past year (.S.D.)	0.6 (1.2)	0.3 (0.6)	P = .002
Source, Nursing Home	63 (25.4%)	19 (11.2%)	P < .001
Wheelchair or bedbound, admission	59 (23.8%)	17 (10.1%)	P < .001
Bedbound, admission	48 (19.4%)	9 (5.3%)	P < .001

Note that the patients who died had mean admission APACHEII scores of 18.2 compared to the 9.5 scores of those who lived. This difference is very significant and strongly correlated to death, explaining 25% of the variance of death in our patient sample. Direct nursing home admissions account for one forth of our Medicare death group. As a public hospital we have a special supportive relationship with the County's 850 bed public long-term care facilities. The MED serves essentially as a place of terminal residency for a large proportion of these patients.

The Regional Medical Center views its HCFA mortality rate as appropriate to the population it serves.

Sincerely,

James S. Brown

James S. Brown, M.D.
Medical Director

JSB/sen

RHEA CO MEDICAL CENTER

HWY 27 N
DAYTON, TN 37321

Medicare Hospital Provider Number: 440023

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	346	13	8 - 16	381	16	8 - 17
Cancer	6	50	17 - 84	7	86	26 - 81
Cerebrovascular Accidents	5	20	6 - 74	11	55	8 - 63
Gastrointestinal Catastrophes	1	0	0 - 99	1	0	0 - 98
Infectious Disease	4	50	6 - 83	2	50	2 - 92
Metabolic/Electrolyte Disorders	3	33	0 - 91	3	0	8 - 81
Pulmonary Disease	33	24	14 - 45	41	22	14 - 41
Renal Failure	1	0	3 -100	3	33	10 - 92
Severe Acute Heart Disease	21	52	21 - 62	20	50	16 - 59
Severe Chronic Heart Disease	15	27	5 - 52	12	33	9 - 60
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	35	0	0 - 21	43	5	0 - 35
Gynecologic Disease	2	0	0 -100	0	-	-
Low-Risk Heart Disease	63	3	0 - 16	71	3	0 - 14
Musculoskeletal/Skin Conditions	18	0	0 - 94	22	5	0 - 98
Neuropsychiatric/Sensory Disease	10	0	0 - 97	5	0	0 -100
Urologic Disease	12	0	0 - 89	12	0	0 - 89

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	164
Occupancy Rate (%):	74
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	17
Percent of Physicians Who Are Board Certified Specialists:	41
Interns and Residents:	0
Registered Nurses:	18
Licensed Practical Nurses:	8

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

RIVER PARK HOSP
SPARTA HIGHWAY
MCMINNVILLE, TN 37110

Medicare Hospital Provider Number: 440151

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	791	15	10 - 16	840	14	11 - 17
Cancer	17	88	33 - 68	11	55	25 - 80
Cerebrovascular Accidents	24	33	14 - 51	42	40	17 - 47
Gastrointestinal Catastrophes	7	29	17 - 78	6	67	5 - 74
Infectious Disease	19	26	17 - 58	20	30	24 - 66
Metabolic/Electrolyte Disorders	11	36	3 - 63	28	36	9 - 48
Pulmonary Disease	68	31	15 - 39	90	26	15 - 36
Renal Failure	2	100	7 - 92	1	0	3 - 98
Severe Acute Heart Disease	16	69	18 - 62	23	52	24 - 64
Severe Chronic Heart Disease	46	30	12 - 40	36	14	18 - 43
Severe Trauma	1	100	1 - 97	0	-	-
Gastrointestinal Disease	73	1	1 - 11	66	3	1 - 14
Gynecologic Disease	9	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	87	2	1 - 10	102	2	1 - 9
Musculoskeletal/Skin Conditions	66	2	1 - 12	72	1	1 - 10
Neuropsychiatric/Sensory Disease	32	3	0 - 29	20	0	0 - 46
Urologic Disease	33	3	0 - 63	35	3	0 - 63

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 89
Occupancy Rate (%): 49
Ownership/Control: Private, For Profit

STAFFING

Total Number of Physicians: 24
Percent of Physicians Who Are Board Certified Specialists: 96
Interns and Residents: 0
Registered Nurses: 37
Licensed Practical Nurses: 39

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

RIVERCHASE HOSP

632 MORRISON SPRINGS RD
CHATTANOOGA, TN 37415

Medicare Hospital Provider Number: 440191

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	451	10	9 - 15	387	8	8 - 14
Cancer	4	50	7 - 83	5	60	14 - 84
Cerebrovascular Accidents	18	17	11 - 48	15	27	9 - 54
Gastrointestinal Catastrophes	6	33	8 - 75	2	50	1 - 93
Infectious Disease	23	35	19 - 59	6	33	11 - 78
Metabolic/Electrolyte Disorders	7	0	2 - 56	4	25	4 - 80
Pulmonary Disease	27	15	14 - 43	31	6	15 - 38
Renal Failure	1	0	3 - 98	1	100	0 -100
Severe Acute Heart Disease	18	44	20 - 64	15	67	22 - 68
Severe Chronic Heart Disease	18	11	7 - 41	14	7	9 - 44
Severe Trauma	0	-	-	1	0	0 - 99
Gastrointestinal Disease	40	5	0 - 51	32	0	0 - 22
Gynecologic Disease	0	-	-	4	0	0 -100
Low-Risk Heart Disease	59	2	1 - 13	60	2	0 - 15
Musculoskeletal/Skin Conditions	49	2	2 - 14	40	0	0 - 15
Neuropsychiatric/Sensory Disease	22	0	0 - 50	5	0	0 -100
Urologic Disease	17	0	0 - 93	13	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	57
Occupancy Rate (%):	(not available)
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	(not available)
Burn Unit:	(not available)
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	(not available)
Organ Transplant Service:	(not available)
Hospice Care:	(not available)

SCOTT CO HOSP-

HWY 27 BOX 308
ONEIDA, TN 37841

Medicare Hospital Provider Number: 440052

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	685	11	9 - 15	642	11	9 - 15
Cancer	16	63	31 - 77	6	67	16 - 82
Cerebrovascular Accidents	38	26	13 - 42	29	28	16 - 49
Gastrointestinal Catastrophes	4	0	7 - 72	2	0	1 - 92
Infectious Disease	4	0	3 - 71	3	33	6 - 87
Metabolic/Electrolyte Disorders	4	0	8 - 72	2	0	3 - 88
Pulmonary Disease	68	21	19 - 41	86	29	16 - 38
Renal Failure	4	50	10 - 88	1	0	3 - 99
Severe Acute Heart Disease	15	67	22 - 68	23	65	25 - 63
Severe Chronic Heart Disease	21	33	7 - 48	20	5	10 - 36
Severe Trauma	2	0	0 - 94	0	-	-
Gastrointestinal Disease	66	3	0 - 16	38	5	0 - 47
Gynecologic Disease	0	-	-	4	0	0 -100
Low-Risk Heart Disease	142	2	1 - 8	104	1	2 - 8
Musculoskeletal/Skin Conditions	34	0	0 - 42	38	0	0 - 24
Neuropsychiatric/Sensory Disease	13	0	0 - 99	20	0	0 - 96
Urologic Disease	18	0	0 -100	11	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	147
Occupancy Rate (%):	73
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	9
Percent of Physicians Who Are Board Certified Specialists:	44
Interns and Residents:	0
Registered Nurses:	33
Licensed Practical Nurses:	56

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SCOTT MEMORIAL HOSP

RT 1 BUFFALO RD BOX 747
LAWRENCEBURG, TN 38464

Medicare Hospital Provider Number: 440113

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	323	21	9 - 19	360	16	9 - 17
Cancer	6	100	26 - 76	8	75	19 - 77
Cerebrovascular Accidents	17	35	14 - 58	10	40	7 - 64
Gastrointestinal Catastrophes	4	50	3 - 82	1	0	0 - 99
Infectious Disease	8	50	10 - 72	2	0	2 - 89
Metabolic/Electrolyte Disorders	6	17	2 - 72	3	0	1 - 82
Pulmonary Disease	31	55	16 - 52	36	39	16 - 49
Renal Failure	0	-	-	1	0	0 - 98
Severe Acute Heart Disease	11	73	21 - 71	11	55	17 - 70
Severe Chronic Heart Disease	19	32	9 - 51	10	30	7 - 62
Severe Trauma	1	100	0 - 99	1	0	0 - 98
Gastrointestinal Disease	38	8	0 - 31	40	10	0 - 52
Gynecologic Disease	3	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	36	3	1 - 21	52	6	1 - 19
Musculoskeletal/Skin Conditions	20	0	0 - 68	11	0	0 - 97
Neuropsychiatric/Sensory Disease	18	0	0 - 60	16	0	0 - 96
Urologic Disease	18	28	0 - 85	20	0	0 - 65

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	64
Occupancy Rate (%):	39
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	18
Percent of Physicians Who Are Board Certified Specialists:	100
Interns and Residents:	0
Registered Nurses:	31
Licensed Practical Nurses:	22

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SEQUATCHIE GENERAL HOSPITAL

30 CEDAR ST, P.O. BOX 787
DUNLAP, TN 37327

Medicare Hospital Provider Number: 440074

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	191	14	9 - 19	218	13	8 - 17
Cancer	0	-	-	3	67	8 - 88
Cerebrovascular Accidents	8	13	10 - 62	7	57	9 - 73
Gastrointestinal Catastrophes	1	0	2 - 97	1	0	1 - 97
Infectious Disease	1	0	1 - 97	0	-	-
Metabolic/Electrolyte Disorders	5	40	3 - 78	4	50	6 - 83
Pulmonary Disease	17	29	9 - 53	14	14	12 - 52
Renal Failure	0	-	-	1	100	3 - 99
Severe Acute Heart Disease	11	64	18 - 70	8	38	14 - 74
Severe Chronic Heart Disease	13	23	6 - 54	12	42	4 - 59
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	18	6	0 - 61	33	0	0 - 24
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	30	10	0 - 50	24	4	0 - 45
Musculoskeletal/Skin Conditions	19	5	1 - 36	17	0	0 - 35
Neuropsychiatric/Sensory Disease	3	0	0 -100	5	0	0 -100
Urologic Disease	3	0	0 -100	2	0	0 - 99

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	49
Ownership/Control:	Private, For Profit

STAFFING

Interns and Residents:	0
Registered Nurses:	11
Licensed Practical Nurses:	6

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Sequatchie General Hospital

Hospital ID: 440074

September 27, 1988

Health Standards and Quality Bureau, HCFA
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Attention: Mrs. Sandra Kappert:

Gentlemen:

We find the information submitted on mortality to be correct to the best of our knowledge.

Sincerely,

Danny Mankin
Administrator

DM:ad

SMITH CO MEMORIAL HOSP-INC

300 HOSPITAL DRIVE
CARTHAGE, TN 37030

Medicare Hospital Provider Number: 440186

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	364	10	9 - 16	404	13	11 - 19
Cancer	6	83	17 - 78	6	100	20 - 70
Cerebrovascular Accidents	24	17	13 - 45	21	33	16 - 55
Gastrointestinal Catastrophes	1	0	0 - 98	4	50	14 - 90
Infectious Disease	12	42	12 - 65	10	0	18 - 54
Metabolic/Electrolyte Disorders	3	0	1 - 83	9	22	3 - 63
Pulmonary Disease	26	15	13 - 43	37	43	19 - 52
Renal Failure	1	0	3 - 99	0	-	-
Severe Acute Heart Disease	9	33	17 - 73	18	39	30 - 73
Severe Chronic Heart Disease	16	19	11 - 51	25	28	11 - 47
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	37	3	0 - 33	37	0	0 - 18
Gynecologic Disease	4	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	45	2	1 - 18	62	0	1 - 9
Musculoskeletal/Skin Conditions	29	0	0 - 25	27	0	0 - 76
Neuropsychiatric/Sensory Disease	4	0	0 -100	10	0	0 - 68
Urologic Disease	13	8	0 - 66	6	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	66
Occupancy Rate (%):	(not available)
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SMYRNA HOSP INC

HIGHWAY 41
SMYRNA, TN 37167

Medicare Hospital Provider Number: 440134

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	54	4	8 - 20	158	14	7 - 19
Cancer	1	100	2 - 97	1	100	2 - 97
Cerebrovascular Accidents	3	33	4 - 86	9	11	6 - 56
Gastrointestinal Catastrophes	0	-	-	1	0	1 - 97
Infectious Disease	1	0	0 - 98	5	60	10 - 81
Metabolic/Electrolyte Disorders	0	-	-	2	0	0 - 99
Pulmonary Disease	15	0	8 - 34	24	21	7 - 43
Renal Failure	1	0	2 - 97	1	100	3 - 98
Severe Acute Heart Disease	2	0	1 - 89	7	86	13 - 69
Severe Chronic Heart Disease	4	0	1 - 73	4	25	1 - 85
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	5	0	0 -100	16	0	0 - 74
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	3	0	0 -100	22	5	0 - 58
Musculoskeletal/Skin Conditions	3	0	0 -100	12	0	0 -100
Neuropsychiatric/Sensory Disease	2	0	0 -100	3	0	0 -100
Urologic Disease	1	0	0 -100	6	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	55
Ownership/Control:	Local Government

STAFFING

Interns and Residents:	0
Registered Nurses:	21
Licensed Practical Nurses:	3

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SOUTH PITTSBURG MUNICIPAL HOSP-

210 W 12 ST
SOUTH PITTSBURG, TN 37380

Medicare Hospital Provider Number: 440064

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	409	15	8 - 16	461	13	9 - 16
Cancer	9	78	21 - 74	8	75	20 - 77
Cerebrovascular Accidents	13	31	11 - 60	11	36	10 - 63
Gastrointestinal Catastrophes	4	0	4 - 71	2	50	1 - 93
Infectious Disease	9	22	7 - 63	0	-	-
Metabolic/Electrolyte Disorders	3	33	0 - 92	2	0	8 - 91
Pulmonary Disease	39	36	13 - 45	52	33	15 - 42
Renal Failure	0	-	-	4	100	18 - 86
Severe Acute Heart Disease	17	53	16 - 61	15	47	17 - 64
Severe Chronic Heart Disease	20	35	10 - 51	27	11	10 - 37
Severe Trauma	0	-	-	1	0	0 - 98
Gastrointestinal Disease	45	0	0 - 18	48	4	1 - 19
Gynecologic Disease	6	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	73	5	1 - 17	70	0	2 - 9
Musculoskeletal/Skin Conditions	23	9	0 - 96	45	4	0 - 85
Neuropsychiatric/Sensory Disease	16	0	0 - 93	17	0	0 - 99
Urologic Disease	3	0	0 -100	13	8	0 - 97

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	60
Occupancy Rate (%):	38
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	9
Percent of Physicians Who Are Board Certified Specialists:	44
Interns and Residents:	0
Registered Nurses:	17
Licensed Practical Nurses:	17

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST FRANCIS HOSP

5959 PARK AVE
MEMPHIS, TN 38138

Medicare Hospital Provider Number: 440183

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	4,602	11	9 - 13	4,974	11	9 - 13
Cancer	173	35	30 - 50	174	36	33 - 53
Cerebrovascular Accidents	144	26	19 - 35	171	23	20 - 35
Gastrointestinal Catastrophes	36	22	18 - 50	42	36	19 - 52
Infectious Disease	28	32	21 - 58	30	37	15 - 52
Metabolic/Electrolyte Disorders	83	18	14 - 39	75	25	14 - 41
Pulmonary Disease	239	26	19 - 34	220	32	17 - 34
Renal Failure	22	36	15 - 68	26	54	17 - 70
Severe Acute Heart Disease	140	32	28 - 47	146	39	30 - 48
Severe Chronic Heart Disease	219	26	16 - 30	194	27	17 - 31
Severe Trauma	5	0	5 - 65	4	25	4 - 80
Gastrointestinal Disease	308	3	1 - 7	382	2	1 - 6
Gynecologic Disease	44	0	0 -100	52	0	0 - 90
Low-Risk Heart Disease	606	4	2 - 5	622	3	2 - 5
Musculoskeletal/Skin Conditions	392	2	1 - 5	437	2	1 - 5
Neuropsychiatric/Sensory Disease	225	1	1 - 6	269	3	1 - 7
Urologic Disease	272	2	0 - 7	254	2	0 - 7

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	889
Occupancy Rate (%):	74
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	205
Percent of Physicians Who Are Board Certified Specialists:	76
Interns and Residents:	0
Registered Nurses:	415
Licensed Practical Nurses:	70

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

5959 Park Avenue
Memphis, TN 38119-5150
Telephone (901) 765-1000

Mailing Address
P.O. Box 171808
Memphis, Tennessee 38187-1808

sfh
St. Francis Hospital

September 26, 1988

BDMS: ACTION
CC: JONES, SOMSAK, THOMAS

DIRECT REP DUE 11/2

William L. Roper, M.D., Administrator
Department of Health & Human Services
Washington, D.C. 20201

RE: ST. FRANCIS HOSPITAL, INC.
MEMPHIS, TENNESSEE
#44-0183

Dear Dr. Roper:

Today I received the Medicare Hospital Mortality Information (1987). As I reviewed the attached sheet, I noted that much of the information listed in the "Hospital Characteristics" section is incorrect.

For instance, St. Francis Hospital has 693 acute care beds, not 365. The occupancy percentage is incorrect. We have many more physicians than the number cited, though many are Consulting staff and do not admit regularly; I believe more than 48 are board certified. St. Francis does have a Coronary Care unit and Hospice Care.

Will you please check your records to determine if an error has been made in identifying St. Francis Hospital.

Sincerely yours,

Schroeder

M. Rita Schroeder
President

jdp

5959 Park Avenue
Memphis, TN 38119-5150
Telephone: (901) 765-1000

Mailing Address:
P.O. Box 171808
Memphis, Tennessee 38187-1808

sfh
St. Francis Hospital

Oct. 17, 1988

HEALTH STANDARDS & QUALITY BUREAU, HCFA
Attention: Mrs. Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, Maryland 21207

Pre-addressed envelope
not available

Dear Mrs. Kappert:

RE: SFH, Inc., Memphis, TN #44-0183

"Hospital Characteristics" section for SFH is incorrect at the bottom of the page with the 1986 and 1987 mortality rates and ranges. Please check your records to determine how the error was made in identifying SFH.

We do not understand why HCFA does not include all the admissions of a decedent during the year of study. The results you arrive at are 4% about the total mortality rate we identify, because of more than one admission during the year of death. We would appreciate receiving your rationale for this method.

Thank you.

Sincerely yours,

M Rita Schroeder

M. Rita Schroeder
President

Care Is In Everything We Do

ST JOSEPH HOSP

220 OVERTON AV
MEMPHIS, TN 38101

Medicare Hospital Provider Number: 440071

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,850	13	11 - 15	2,751	13	10 - 14
Cancer	81	40	29 - 54	113	42	32 - 55
Cerebrovascular Accidents	129	26	18 - 35	137	23	18 - 34
Gastrointestinal Catastrophes	19	32	16 - 59	10	30	10 - 65
Infectious Disease	55	45	27 - 57	34	41	20 - 56
Metabolic/Electrolyte Disorders	102	37	22 - 48	80	41	20 - 47
Pulmonary Disease	120	32	18 - 37	100	28	16 - 36
Renal Failure	10	30	12 - 74	9	44	9 - 75
Severe Acute Heart Disease	81	37	27 - 50	65	34	28 - 53
Severe Chronic Heart Disease	163	22	16 - 31	160	26	14 - 30
Severe Trauma	2	50	4 - 93	3	33	2 - 86
Gastrointestinal Disease	207	2	1 - 7	223	1	1 - 6
Gynecologic Disease	19	5	0 -100	19	5	0 -100
Low-Risk Heart Disease	344	3	2 - 6	341	6	1 - 7
Musculoskeletal/Skin Conditions	236	2	1 - 6	206	3	1 - 8
Neuropsychiatric/Sensory Disease	58	5	1 - 18	65	0	0 - 11
Urologic Disease	127	5	0 - 13	120	2	1 - 10

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	405
Occupancy Rate (%):	73
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	515
Percent of Physicians Who Are Board Certified Specialists:	69
Interns and Residents:	0
Registered Nurses:	199
Licensed Practical Nurses:	25

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

ST. JOSEPH
HOSPITAL
Your Source of Help for Life

220 OVERTON
Memphis, TN 38105
(901) 577-2700

Extending the
Healing Ministry
of Christ Since 1889

October 21, 1988

W. L. Roper, M.D.
Administrator
Health Care Financing Administration
Health Standards and Quality Bureau
Meadows East Building 2-D-2
6325 Security Blvd.
Baltimore, MD 21207

Re: St. Joseph Hospital
Provider #440071

Dear Dr. Roper:

The data used by HCFA indicates that a total of 370 Medicare patients admitted to St. Joseph Hospital in 1987 died within thirty days of admission.

Our own records indicate that 4489 Medicare admissions occurred in 1987 compared to 2850 cases shown by HCFA. Presumably the discrepancy indicates multiple admissions of individual beneficiaries.

We would like to go on record as stating that although our rate is within acceptable range, these mortality statistics in and of themselves cannot reflect the quality of care that is rendered by an institution or the practitioners who provide the care.

Thank you for the opportunity to review the mortality statistics before publication. We hope that viewers of this data will understand the problems inherit in publishing mortality statistics without the quantifying elements that indicate a facilities performance.

Sincerely,

Adonna Caldwell

Adonna Caldwell
Asst. Vice President
Marketing/Health Information

AC/ptb

Division of Sisters of St. Francis Health Services, Inc.

ST MARYS MEDICAL CENTER

OAK HILL AVE
KNOXVILLE, TN 37917

Medicare Hospital Provider Number: 440120

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	4,577	11	10 - 14	4,484	11	10 - 14
Cancer	223	38	31 - 49	219	40	31 - 51
Cerebrovascular Accidents	204	21	19 - 32	172	27	18 - 33
Gastrointestinal Catastrophes	39	44	19 - 54	37	35	20 - 55
Infectious Disease	68	35	20 - 48	58	33	21 - 50
Metabolic/Electrolyte Disorders	51	12	9 - 35	33	33	12 - 48
Pulmonary Disease	257	26	19 - 34	219	21	18 - 33
Renal Failure	26	46	15 - 67	16	31	12 - 69
Severe Acute Heart Disease	145	33	30 - 48	151	40	28 - 46
Severe Chronic Heart Disease	179	21	16 - 29	194	28	16 - 30
Severe Trauma	8	13	4 - 61	8	25	5 - 67
Gastrointestinal Disease	394	2	1 - 6	352	3	1 - 6
Gynecologic Disease	52	0	0 -100	55	0	0 - 96
Low-Risk Heart Disease	446	3	2 - 6	429	5	2 - 7
Musculoskeletal/Skin Conditions	506	1	1 - 4	451	1	1 - 4
Neuropsychiatric/Sensory Disease	156	7	1 - 12	143	3	1 - 9
Urologic Disease	205	0	0 - 6	214	1	0 - 9

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	510
Occupancy Rate (%):	78
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	197
Percent of Physicians Who Are Board Certified Specialists:	77
Interns and Residents:	0
Registered Nurses:	399
Licensed Practical Nurses:	128

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

ST. MARY'S
MEDICAL CENTER

Oak Hill Avenue
Knoxville, Tennessee 37917 (615) 971-6011

October 21, 1988

Sandra Kappert
Health Care Financing Administration
Health Standards & Quality Bureau
Meadows East Building, 2-D-2
6325 Security Boulevard
Baltimore, Maryland 21207

Dear Ms. Kappert:

We have reviewed the mortality information provided us by H.C.F.A. and find it substantially correct. As we have commented in past years, our greatest concern is that this information not be interpreted by the public as having a direct relationship to the quality of care available at any given hospital. Because of the many variables that might impact mortality at a given institution that are not related to quality of care provided, we must be cautious in interpreting the data. Although St. Mary's mortality experience falls well within your expected range in all diagnostic categories, we will again use this data to focus our quality assurance efforts but caution against its interpretation for quality comparison purposes.

We have identified some specific concerns about the accuracy of your "hospital characteristics" section. You listed St. Mary's as a 350 bed hospital with a medical staff capacity of 150 physicians. In fact, our licensed capacity is 531, and we have approximately 400 physicians on our active and courtesy staffs. It is our understanding that this information was obtained from a 1986 AHA survey and refers only to med/surg beds and perhaps active staff, but we wish to point out the discrepancy. Also, we have identified four (4) patients listed by you as having died in the hospital (date of discharge and date of death are the same) whom we have not identified as hospital deaths. They are as follows:

Med. Rec. #	Name	D.O.Disch.	D.O.Death	Comments
[redacted]	[redacted]	[redacted]	[redacted]	Our records indicate no death.
[redacted]	[redacted]	[redacted]	[redacted]	"
[redacted]	[redacted]	[redacted]	[redacted]	"
[redacted]	[redacted]	[redacted]	[redacted]	"

Thank you for the opportunity to express our comments.

Sincerely,

Eli N. Matijevich/lt

Eli N. Matijevich
Vice President of Medical Services

ENM:lt

cc: Jane Crass, Director of Quality Assurance

ST MARYS NORTH HOSPITAL

901 S MAIN ST
LAKE CITY, TN 37769

Medicare Hospital Provider Number: 440117

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	129	12	7 - 19	145	12	6 - 17
Cancer	1	100	1 - 97	3	100	5 - 79
Cerebrovascular Accidents	6	17	5 - 68	0	-	-
Gastrointestinal Catastrophes	2	50	2 - 92	2	50	1 - 92
Infectious Disease	2	50	4 - 93	3	0	8 - 81
Metabolic/Electrolyte Disorders	0	-	-	1	0	2 - 97
Pulmonary Disease	7	29	10 - 71	8	13	4 - 59
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	7	43	11 - 75	5	20	13 - 80
Severe Chronic Heart Disease	5	0	7 - 64	6	33	8 - 74
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	12	0	0 -100	11	0	0 - 98
Gynecologic Disease	0	-	-	1	0	0 -100
Low-Risk Heart Disease	19	0	0 - 69	15	13	0 - 99
Musculoskeletal/Skin Conditions	11	0	0 - 99	16	0	0 - 99
Neuropsychiatric/Sensory Disease	5	0	0 -100	3	0	0 -100
Urologic Disease	0	-	-	3	33	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	20
Occupancy Rate (%):	(not available)
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	(not available)
Burn Unit:	(not available)
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	(not available)
Organ Transplant Service:	(not available)
Hospice Care:	(not available)

ST THOMAS HOSP

4220 HARDING RD
NASHVILLE, TN 37202

Medicare Hospital Provider Number: 440082

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	6,584	8	10 - 14	6,045	8	10 - 14
Cancer	271	33	32 - 50	260	30	34 - 52
Cerebrovascular Accidents	206	26	18 - 33	181	21	20 - 34
Gastrointestinal Catastrophes	43	30	20 - 52	42	29	22 - 54
Infectious Disease	78	28	25 - 50	42	26	24 - 55
Metabolic/Electrolyte Disorders	33	21	11 - 45	29	21	11 - 45
Pulmonary Disease	225	14	17 - 31	222	19	19 - 34
Renal Failure	41	27	16 - 63	37	19	19 - 67
Severe Acute Heart Disease	477	19	28 - 40	438	18	32 - 44
Severe Chronic Heart Disease	296	18	19 - 30	233	18	18 - 31
Severe Trauma	10	30	6 - 63	17	35	11 - 59
Gastrointestinal Disease	359	2	2 - 6	378	1	1 - 5
Gynecologic Disease	33	0	0 -100	48	0	0 - 95
Low-Risk Heart Disease	1,445	3	2 - 5	1,313	2	2 - 4
Musculoskeletal/Skin Conditions	508	1	1 - 4	446	2	1 - 5
Neuropsychiatric/Sensory Disease	182	2	1 - 8	174	2	1 - 8
Urologic Disease	138	1	0 - 7	148	0	0 - 5

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	571
Occupancy Rate (%):	84
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	308
Percent of Physicians Who Are Board Certified Specialists:	88
Interns and Residents:	0
Registered Nurses:	624
Licensed Practical Nurses:	129

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	Yes
Hospice Care:	No

MEDICARE # 440082

SAINT THOMAS HOSPITAL

P.O. Box 380 • 4220 Harding Road • Nashville, Tennessee 37202

Sister Juliana, D.C.
President

October 24, 1988

Dear Community:

Saint Thomas Hospital and its medical staff are gratified that the Health Care Finance Administration's report on mortality rates for 1987 once again confirms the high quality of care we are delivering to our patients.

For nearly 90 years, Saint Thomas Hospital has been providing a high quality of care to the Nashville community and surrounding areas. In keeping with the philosophy of the Daughters of Charity, who sponsor the hospital, we provide the most sophisticated medical care in an environment that considers the physical, spiritual, and emotional needs of our patients and their families.

The Saint Thomas Medical and Nursing staffs, Administration and employees are all deeply committed to offering our patients the finest quality of care possible. In order to do this, Saint Thomas has developed an extensive quality assurance program to monitor our success in this area and has ongoing clinical education programs for our nurses, physicians, and other health care professionals. Our medical and nursing staffs routinely review the care of our patients to ensure that the highest standards are being met.

At Saint Thomas Hospital, we realize the importance of providing information that helps individuals make wise, educated decisions about their health. Our Good Health School and other community education programs are designed to increase the public's knowledge of health matters. We are also constantly exploring innovative ways to improve patient care.

We will continue our dedication to providing the best possible care and to finding new ways to meet the needs of those we are privileged to serve.

Sister Juliana D.C.
Sister Juliana, D.C.
President

Mark Doyne
Mark A. Doyne, M.D.
Associate Medical Director

STONES RIVER HOSPITAL

DOOLITTLE ROAD BOX 458
WOODBURY, TN 37190

Medicare Hospital Provider Number: 440200

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	345	10	9 - 16	315	12	9 - 17
Cancer	6	33	10 - 76	4	50	11 - 86
Cerebrovascular Accidents	34	15	15 - 41	16	44	15 - 61
Gastrointestinal Catastrophes	1	0	0 - 99	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	17	18	11 - 52	17	6	3 - 40
Pulmonary Disease	35	11	10 - 35	43	26	13 - 41
Renal Failure	0	-	-	4	25	10 - 87
Severe Acute Heart Disease	12	50	20 - 72	12	50	19 - 71
Severe Chronic Heart Disease	19	21	8 - 46	7	29	2 - 71
Severe Trauma	1	0	1 - 97	0	-	-
Gastrointestinal Disease	25	0	0 - 51	20	0	0 - 42
Gynecologic Disease	2	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	38	3	0 - 29	30	0	0 - 26
Musculoskeletal/Skin Conditions	34	0	0 - 37	26	4	0 - 46
Neuropsychiatric/Sensory Disease	19	0	0 - 40	9	0	0 -100
Urologic Disease	4	0	0 -100	13	0	0 - 93

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	55
Occupancy Rate (%):	44
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SUMNER MEMORIAL HOSP

555 HARTSVILLE PIKE
GALLATIN, TN 37066

Medicare Hospital Provider Number: 440003

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,071	15	10 - 16	1,025	13	11 - 16
Cancer	38	66	35 - 67	36	58	31 - 65
Cerebrovascular Accidents	30	43	12 - 47	28	21	14 - 46
Gastrointestinal Catastrophes	8	25	7 - 67	9	44	12 - 71
Infectious Disease	8	38	11 - 71	16	25	17 - 62
Metabolic/Electrolyte Disorders	5	0	4 - 64	15	13	9 - 50
Pulmonary Disease	84	33	20 - 42	102	39	20 - 41
Renal Failure	6	50	8 - 80	2	50	3 - 93
Severe Acute Heart Disease	54	43	29 - 57	43	26	27 - 54
Severe Chronic Heart Disease	50	30	11 - 37	38	32	11 - 42
Severe Trauma	1	0	0 - 98	1	0	2 - 97
Gastrointestinal Disease	104	2	1 - 10	101	0	1 - 6
Gynecologic Disease	12	8	0 -100	15	0	0 -100
Low-Risk Heart Disease	131	2	1 - 7	115	2	1 - 8
Musculoskeletal/Skin Conditions	102	1	1 - 8	90	0	1 - 7
Neuropsychiatric/Sensory Disease	19	5	0 - 89	25	0	0 - 77
Urologic Disease	58	5	1 - 20	59	3	0 - 18

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	120
Occupancy Rate (%):	78
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	41
Percent of Physicians Who Are Board Certified Specialists:	73
Interns and Residents:	0
Registered Nurses:	60
Licensed Practical Nurses:	90

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SWEETWATER HOSP

304 WRIGHT ST BOX 312
SWEETWATER, TN 37874

Medicare Hospital Provider Number: 440084

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	571	13	12 - 19	547	13	12 - 19
Cancer	18	44	19 - 64	12	67	21 - 72
Cerebrovascular Accidents	24	25	13 - 48	31	19	16 - 46
Gastrointestinal Catastrophes	7	29	9 - 72	3	0	3 - 80
Infectious Disease	17	41	19 - 65	13	31	20 - 69
Metabolic/Electrolyte Disorders	5	60	10 - 81	2	0	0 -100
Pulmonary Disease	79	29	18 - 41	64	22	18 - 41
Renal Failure	2	50	8 - 98	3	67	11 - 94
Severe Acute Heart Disease	27	44	26 - 63	42	36	26 - 56
Severe Chronic Heart Disease	17	12	11 - 46	19	32	15 - 56
Severe Trauma	1	0	1 - 97	3	0	6 - 80
Gastrointestinal Disease	46	0	0 - 13	45	4	0 - 27
Gynecologic Disease	3	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	63	0	1 - 8	70	1	1 - 11
Musculoskeletal/Skin Conditions	28	4	0 - 41	26	0	0 - 66
Neuropsychiatric/Sensory Disease	15	0	0 - 78	16	0	0 - 92
Urologic Disease	12	8	1 - 52	3	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	59
Occupancy Rate (%):	51
Ownership/Control:	Private, Non-profit

STAFFING

Total Number of Physicians:	18
Percent of Physicians Who Are Board Certified Specialists:	0
Interns and Residents:	0
Registered Nurses:	22
Licensed Practical Nurses:	27

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

SYCAMORE SHOALS HOSP

1501 WEST ELK AVENUE
ELIZABETHTON, TN 37643

Medicare Hospital Provider Number: 440018

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	747	16	10 - 16	831	17	10 - 16
Cancer	20	35	19 - 60	15	93	26 - 60
Cerebrovascular Accidents	32	31	11 - 44	28	18	15 - 45
Gastrointestinal Catastrophes	3	33	3 - 86	11	36	13 - 67
Infectious Disease	14	36	15 - 64	19	58	14 - 59
Metabolic/Electrolyte Disorders	11	9	5 - 51	21	43	9 - 53
Pulmonary Disease	67	34	16 - 40	62	32	15 - 41
Renal Failure	7	71	11 - 78	5	100	10 - 73
Severe Acute Heart Disease	37	38	25 - 57	45	42	22 - 52
Severe Chronic Heart Disease	24	29	9 - 46	52	27	14 - 39
Severe Trauma	2	0	1 - 90	1	0	0 -100
Gastrointestinal Disease	60	2	1 - 13	63	0	1 - 9
Gynecologic Disease	5	0	0 -100	15	0	0 -100
Low-Risk Heart Disease	70	11	0 - 31	75	1	0 - 11
Musculoskeletal/Skin Conditions	58	2	0 - 20	68	0	1 - 8
Neuropsychiatric/Sensory Disease	20	20	0 - 97	9	0	0 - 96
Urologic Disease	31	3	0 - 68	33	0	0 - 49

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	100
Occupancy Rate (%):	43
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	35
Percent of Physicians Who Are Board Certified Specialists:	63
Interns and Residents:	0
Registered Nurses:	44
Licensed Practical Nurses:	21

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

TAKOMA HOSP

401 TAKOMA AV
GREENEVILLE, TN 37743

Medicare Hospital Provider Number: 440050

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	779	11	10 - 16	820	16	10 - 17
Cancer	14	50	19 - 69	16	56	29 - 75
Cerebrovascular Accidents	38	21	14 - 41	42	40	17 - 47
Gastrointestinal Catastrophes	3	67	7 - 88	2	0	1 - 91
Infectious Disease	11	36	16 - 70	11	27	15 - 67
Metabolic/Electrolyte Disorders	15	27	6 - 54	21	29	10 - 51
Pulmonary Disease	74	24	16 - 38	70	24	15 - 38
Renal Failure	4	25	13 - 89	6	50	14 - 86
Severe Acute Heart Disease	35	34	22 - 54	40	55	24 - 55
Severe Chronic Heart Disease	40	25	13 - 40	41	17	11 - 36
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	54	0	2 - 10	78	6	0 - 19
Gynecologic Disease	9	0	0 -100	4	0	0 -100
Low-Risk Heart Disease	119	2	1 - 8	103	7	1 - 14
Musculoskeletal/Skin Conditions	66	6	0 - 21	74	0	0 - 8
Neuropsychiatric/Sensory Disease	16	0	0 - 66	28	0	0 - 50
Urologic Disease	24	0	0 - 88	27	4	0 - 33

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	100
Occupancy Rate (%):	50
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

TAKOMA ADVENTIST HOSPITAL

Post Office Box 1830 • Phone (615) 639-3151
401 Takoma Avenue • Greeneville, Tennessee 37744-1830

Provider # 440050

Data Verification

The data used by HCFA indicate that a total of 88 Medicare patients admitted to Takoma Adventist Hospital died within 30 days of admission. Of these, 72 died while still a patient of the hospital, while 16 died after discharge. It is impossible to verify the deaths of the 16 patients listed as dying after discharge, as information concerning death after discharge is not included in the patient's medical record.

Interpretive Remarks

All statistics for Takoma Adventist Hospital fall within the range of "expected" for the calendar year 1987.

Without detailed information concerning the billing data available to HCFA in computing the predicted mortality rate, it is impossible to verify the accuracy of the diagnostic or other data used in your analysis. It is, however, logical to say that the use of the principle diagnosis as the basis for the cause of death is not accurate, since by definition the principle diagnosis is the "reason for which the patient is admitted" and does not necessarily reflect the actual cause of death. For example: a patient is admitted due to diabetes out of control. After admission, the patient suffers an acute myocardial infarction and subsequently expires. The reason for admission was the diabetes, the cause of death the heart attack, but by Medicare rules the diabetes is the principle diagnosis thus creating false statistics.

It was also interesting that some fractures [redacted] Fractured femur, [redacted] Intertrochanteric fracture for example) were classified under Diagnostic Category: All Other Diseases rather than Diagnostic Category: Musculoskeletal and Cutaneous Conditions. Also, the "All Other Diseases" Category contained some cancer codes such as 185 Malignant Neoplasm of the Prostate and 1889 Malignant Neoplasm of the Bladder.

Another concern identified by the re-calculation of the 1986 statistics is the increase by 11 of the number of cases listed.

Peggy West RN

Peggy West, R.N., Assistant to the President
Quality Assurance/Utilization Review

An affiliate of Adventist Health System/Sunbelt

TENNESSEE CHRISTIAN MEDICAL CENTER

500 HOSPITAL DR
MADISON, TN 37115

Medicare Hospital Provider Number: 440135

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	924	9	8 - 13	946	9	8 - 13
Cancer	23	43	25 - 65	15	20	18 - 61
Cerebrovascular Accidents	30	20	12 - 42	26	54	13 - 51
Gastrointestinal Catastrophes	11	36	10 - 65	5	0	8 - 66
Infectious Disease	10	50	15 - 71	7	14	9 - 67
Metabolic/Electrolyte Disorders	13	31	5 - 58	8	38	2 - 71
Pulmonary Disease	48	15	13 - 36	77	18	16 - 37
Renal Failure	7	57	11 - 80	5	60	18 - 93
Severe Acute Heart Disease	28	43	23 - 60	23	39	23 - 62
Severe Chronic Heart Disease	45	11	13 - 33	40	20	9 - 36
Severe Trauma	4	25	3 - 80	4	25	2 - 81
Gastrointestinal Disease	103	1	1 - 8	110	2	1 - 9
Gynecologic Disease	6	0	0 -100	10	0	0 -100
Low-Risk Heart Disease	115	2	1 - 8	112	1	1 - 7
Musculoskeletal/Skin Conditions	83	0	0 - 8	96	3	0 - 14
Neuropsychiatric/Sensory Disease	33	3	0 - 29	31	0	0 - 25
Urologic Disease	25	4	0 - 90	36	0	0 - 41

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	253
Occupancy Rate (%):	59
Ownership/Control:	Church

STAFFING

Total Number of Physicians:	111
Percent of Physicians Who Are Board Certified Specialists:	65
Interns and Residents:	0
Registered Nurses:	127
Licensed Practical Nurses:	45

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

THREE RIVERS COMMUNITY HOSP

S CHURCH ST
WAVERLY, TN 37185

Medicare Hospital Provider Number: 440100

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	196	16	8 - 19	221	13	9 - 19
Cancer	6	100	29 - 79	5	60	12 - 82
Cerebrovascular Accidents	6	33	5 - 73	6	33	7 - 74
Gastrointestinal Catastrophes	1	0	0 - 98	1	0	0 - 99
Infectious Disease	3	33	1 - 87	4	25	4 - 80
Metabolic/Electrolyte Disorders	0	-	-	2	0	1 - 92
Pulmonary Disease	21	29	13 - 52	20	25	12 - 51
Renal Failure	0	-	-	3	100	18 - 95
Severe Acute Heart Disease	3	67	5 - 86	8	25	16 - 73
Severe Chronic Heart Disease	21	24	9 - 46	17	18	11 - 50
Severe Trauma	1	0	0 - 99	1	0	0 - 98
Gastrointestinal Disease	22	0	0 - 49	26	4	0 - 63
Gynecologic Disease	5	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	23	4	0 - 51	23	4	0 - 66
Musculoskeletal/Skin Conditions	17	0	0 - 96	24	0	0 - 43
Neuropsychiatric/Sensory Disease	3	0	0 -100	8	0	0 - 99
Urologic Disease	8	0	0 -100	8	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	52
Occupancy Rate (%):	(not available)
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	(not available)
Burn Unit:	(not available)
Medical/Surgical Intensive Care:	(not available)
Cardiac Intensive Care:	(not available)
Organ Transplant Service:	(not available)
Hospice Care:	(not available)

TRINITY HOSP

PO BOX 489
ERIN, TN 37061

Medicare Hospital Provider Number: 440149

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	394	10	10 - 16	421	14	10 - 18
Cancer	3	67	13 - 94	11	91	42 - 84
Cerebrovascular Accidents	15	20	10 - 52	12	25	8 - 57
Gastrointestinal Catastrophes	1	100	3 - 98	2	50	3 - 92
Infectious Disease	6	17	11 - 73	7	14	13 - 70
Metabolic/Electrolyte Disorders	4	25	1 - 83	2	100	0 - 95
Pulmonary Disease	43	28	15 - 44	47	26	15 - 42
Renal Failure	0	-	-	3	100	15 - 91
Severe Acute Heart Disease	6	17	16 - 76	12	42	19 - 70
Severe Chronic Heart Disease	40	13	11 - 34	34	15	11 - 37
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	25	0	0 - 37	39	3	1 - 18
Gynecologic Disease	2	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	63	3	1 - 14	52	2	0 - 16
Musculoskeletal/Skin Conditions	27	0	0 - 72	38	3	0 - 34
Neuropsychiatric/Sensory Disease	13	15	0 -100	7	0	0 -100
Urologic Disease	15	7	0 - 76	15	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 40
Occupancy Rate (%): (not available)
Ownership/Control: Private, For Profit

STAFFING

Total Number of Physicians: (not available)
Percent of Physicians Who Are Board Certified Specialists: (not available)
Interns and Residents: (not available)
Registered Nurses: (not available)
Licensed Practical Nurses: (not available)

SPECIALTY SERVICES

Shock/Trauma Unit: (not available)
Burn Unit: (not available)
Medical/Surgical Intensive Care: (not available)
Cardiac Intensive Care: (not available)
Organ Transplant Service: (not available)
Hospice Care: (not available)

UNICOI CO MEMORIAL HOSP

GREENWAY CIRCLE
ERWIN, TN 37650

Medicare Hospital Provider Number: 440001

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	367	10	9 - 16	386	9	9 - 15
Cancer	12	42	15 - 67	3	0	7 - 80
Cerebrovascular Accidents	11	18	13 - 60	10	30	11 - 65
Gastrointestinal Catastrophes	2	50	5 - 93	8	13	12 - 65
Infectious Disease	5	40	5 - 78	1	0	3 - 99
Metabolic/Electrolyte Disorders	6	0	6 - 59	10	0	8 - 46
Pulmonary Disease	36	33	15 - 47	37	30	15 - 46
Renal Failure	1	100	2 -100	2	0	6 - 90
Severe Acute Heart Disease	8	38	13 - 73	10	50	21 - 77
Severe Chronic Heart Disease	19	37	11 - 53	12	17	12 - 57
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	30	0	1 - 19	34	3	0 - 42
Gynecologic Disease	1	0	0 -100	3	0	0 -100
Low-Risk Heart Disease	46	2	1 - 17	59	3	0 - 17
Musculoskeletal/Skin Conditions	34	0	0 - 35	42	2	1 - 19
Neuropsychiatric/Sensory Disease	9	0	0 -100	4	0	0 -100
Urologic Disease	11	0	0 -100	12	0	0 - 59

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	94
Occupancy Rate (%):	66
Ownership/Control:	Local Government

STAFFING

Total Number of Physicians:	21
Percent of Physicians Who Are Board Certified Specialists:	81
Interns and Residents:	0
Registered Nurses:	17
Licensed Practical Nurses:	20

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

UNIVERSITY MEDICAL CENTER HOSPITAL

1411 BADDOUR PARKWAY
LEBANON, TN 37087

Medicare Hospital Provider Number: 440193

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	373	11	9 - 16	433	9	9 - 15
Cancer	7	57	16 - 80	8	63	17 - 77
Cerebrovascular Accidents	23	35	14 - 53	14	21	13 - 57
Gastrointestinal Catastrophes	1	100	0 - 98	2	0	0 - 93
Infectious Disease	7	43	10 - 74	4	25	6 - 81
Metabolic/Electrolyte Disorders	3	67	5 - 87	3	0	0 - 87
Pulmonary Disease	30	17	13 - 43	48	19	12 - 37
Renal Failure	3	67	6 - 89	2	50	6 - 95
Severe Acute Heart Disease	7	71	12 - 74	10	30	14 - 68
Severe Chronic Heart Disease	22	9	13 - 41	22	18	13 - 47
Severe Trauma	1	0	0 - 99	0	-	-
Gastrointestinal Disease	32	6	0 - 45	48	2	0 - 18
Gynecologic Disease	5	0	0 -100	10	0	0 -100
Low-Risk Heart Disease	38	0	0 - 17	46	4	0 - 32
Musculoskeletal/Skin Conditions	40	2	0 - 48	41	0	0 - 14
Neuropsychiatric/Sensory Disease	10	0	0 -100	25	4	0 - 88
Urologic Disease	14	0	0 - 84	12	0	3 - 35

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1988

Total Beds (#):	125
Ownership/Control:	Private, For Profit

STAFFING

Interns and Residents:	0
Registered Nurses:	48
Licensed Practical Nurses:	41

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	Yes
Hospice Care:	No

UNIVERSITY OF TN MEDICAL CENTER

951 COURT AV
MEMPHIS, TN 38103

Medicare Hospital Provider Number: 440166

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	989	10	7 - 12	969	9	8 - 13
Cancer	32	38	20 - 55	32	47	27 - 63
Cerebrovascular Accidents	13	15	10 - 53	9	33	8 - 66
Gastrointestinal Catastrophes	33	33	13 - 50	18	33	13 - 58
Infectious Disease	17	47	15 - 62	15	33	17 - 64
Metabolic/Electrolyte Disorders	11	18	6 - 57	14	14	9 - 52
Pulmonary Disease	19	32	19 - 60	19	11	18 - 50
Renal Failure	35	14	2 - 57	31	3	1 - 59
Severe Acute Heart Disease	13	31	14 - 62	10	20	15 - 65
Severe Chronic Heart Disease	19	21	11 - 49	36	14	12 - 37
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	58	3	1 - 17	57	5	0 - 24
Gynecologic Disease	19	0	0 - 98	14	0	0 -100
Low-Risk Heart Disease	60	5	1 - 17	68	4	2 - 15
Musculoskeletal/Skin Conditions	40	5	0 - 67	41	0	0 - 21
Neuropsychiatric/Sensory Disease	29	10	0 - 79	23	0	0 - 44
Urologic Disease	182	0	1 - 5	166	2	0 - 9

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	126
Occupancy Rate (%):	62
Ownership/Control:	State Government

STAFFING

Total Number of Physicians:	274
Percent of Physicians Who Are Board Certified Specialists:	97
Interns and Residents:	0
Registered Nurses:	89
Licensed Practical Nurses:	11

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	Yes
Hospice Care:	No

UNIVERSITY OF TN MEMORIAL HOSP

1924 ALCOA HIGHWAY
KNOXVILLE, TN 37920

Medicare Hospital Provider Number: 440015

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	3,703	11	8 - 12	3,346	12	9 - 13
Cancer	123	33	31 - 53	119	41	33 - 56
Cerebrovascular Accidents	98	28	16 - 35	94	27	17 - 36
Gastrointestinal Catastrophes	24	33	18 - 58	25	32	21 - 61
Infectious Disease	24	33	18 - 57	23	35	17 - 58
Metabolic/Electrolyte Disorders	18	17	8 - 48	19	16	7 - 46
Pulmonary Disease	126	26	17 - 36	141	16	16 - 32
Renal Failure	33	15	7 - 55	26	12	8 - 57
Severe Acute Heart Disease	158	34	26 - 44	141	44	27 - 46
Severe Chronic Heart Disease	136	23	16 - 32	120	22	14 - 31
Severe Trauma	15	40	8 - 59	10	50	6 - 66
Gastrointestinal Disease	257	5	1 - 8	229	5	1 - 8
Gynecologic Disease	32	0	0 -100	31	0	0 -100
Low-Risk Heart Disease	724	4	2 - 6	670	6	2 - 7
Musculoskeletal/Skin Conditions	275	2	0 - 6	231	6	0 - 11
Neuropsychiatric/Sensory Disease	214	3	0 - 9	222	1	0 - 6
Urologic Disease	90	3	0 - 21	54	4	0 - 26

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 543
Occupancy Rate (%): 79
Ownership/Control: State Government

STAFFING

Total Number of Physicians: 272
Percent of Physicians Who Are Board Certified Specialists: 76
Interns and Residents: 55
Registered Nurses: 514
Licensed Practical Nurses: 67

SPECIALTY SERVICES

Shock/Trauma Unit: Yes
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: Yes
Organ Transplant Service: Yes
Hospice Care: No

VANDERBILT UNIVERSITY MEDICAL CENTER

1161 21ST AND GARLAND
NASHVILLE, TN 37232

Medicare Hospital Provider Number: 440039

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	2,645	9	9 - 13	2,592	9	9 - 13
Cancer	144	27	31 - 51	169	37	33 - 53
Cerebrovascular Accidents	62	23	13 - 35	68	21	16 - 37
Gastrointestinal Catastrophes	28	32	22 - 59	22	32	16 - 57
Infectious Disease	31	26	18 - 52	31	13	22 - 52
Metabolic/Electrolyte Disorders	33	12	10 - 39	28	25	8 - 45
Pulmonary Disease	79	20	12 - 33	63	11	16 - 36
Renal Failure	62	3	2 - 53	60	13	2 - 57
Severe Acute Heart Disease	55	29	25 - 51	59	36	25 - 50
Severe Chronic Heart Disease	111	16	16 - 32	70	17	16 - 35
Severe Trauma	10	40	4 - 65	15	40	6 - 58
Gastrointestinal Disease	99	2	2 - 10	81	2	1 - 11
Gynecologic Disease	23	0	0 - 95	19	0	0 -100
Low-Risk Heart Disease	271	5	2 - 8	289	6	2 - 8
Musculoskeletal/Skin Conditions	245	2	1 - 6	208	1	1 - 5
Neuropsychiatric/Sensory Disease	344	1	0 - 5	311	1	1 - 5
Urologic Disease	60	3	0 - 53	61	0	0 - 16

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 602
Occupancy Rate (%): 80
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: (not available)
Percent of Physicians Who Are Board Certified Specialists: (not available)
Interns and Residents: (not available)
Registered Nurses: (not available)
Licensed Practical Nurses: (not available)

SPECIALTY SERVICES

Shock/Trauma Unit: Yes
Burn Unit: Yes
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: Yes
Hospice Care: No

VANDERBILT UNIVERSITY

NASHVILLE, TENNESSEE 37232

TELEPHONE (615) 322-5000

Vice-Chancellor for Health Affairs • Direct phone 322-2151

Medicare Provider # 440039

October 20, 1988

Health Standards and Quality Bureau, HCFA
Attention: Sandra Kappert
2-D-2 Meadows East Building
6325 Security Boulevard
Baltimore, MD 21207

Dear Ms. Kappert:

We believe it is Vanderbilt University Medical Center's mission to provide the highest quality of care to our patients. That commitment would seem to be borne out by the most recent Medicare mortality statistics. Our overall Medicare mortality rate was at the lowest point of the predicted range, which is gratifying. Additionally, our mortality rate for cancer was below the lowest point of the expected range predicted by the model. Despite these excellent results, it is clear that the model is not yet sufficient to judge the quality of care among hospitals.

We are pleased that recent changes in the model have increased by 20% its ability to account for variation. However, HCFA has yet to state from what level this improvement was achieved, or describe the power of the model.

We also have questions concerning the success in redefining the 16 diagnostic categories to achieve a more homogeneous grouping in assessing the probability of death. When we compared our 1986 predicted range for each diagnostic category under the old and new methodology, more than one-half of the predicted ranges were wider using the new methodology. If the diagnostic groups were more homogeneous, wouldn't one expect the range to be smaller? Additionally, we have concerns about exactly what the model is measuring for diagnostic categories with few cases and very low mortality. The technical description in Appendix A did not provide nearly enough information on the exact steps used in the analysis or how the confidence intervals were derived. HCFA needs to be more forthcoming and explicit in detailing the methods used in an analysis this important.

Vanderbilt University Medical Center feels strongly that much further refinement is needed in the method of risk-adjusting outcomes. For example, the current system does not begin to adequately reflect the risk of death for those patients with the most severe forms of trauma. There are absolutely no trauma comorbidities included in the model to "adjust" for the presence of multiple injury and its many possible complications. Accurate measurement of illness severity will not be achieved until additional patient-related characteristics, such as shock, sepsis, and laboratory data, are included in the analysis. The important issue of clinical status on admission must be addressed.

Institutions, such as Vanderbilt, which serve as regional referral centers for cancer, heart disease, burn, trauma, and transplant patients will always be in the position of treating more gravely ill patients than the "average" hospital. Without accurate measurements of severity of illness and appropriate risk adjustments, it is imperative to consider patient mix and types of offered services when interpreting mortality statistics. Their utility is otherwise limited.

Sincerely yours,

Fred V. Lucas MD

Fred V. Lucas, M.D.
Associate Vice-Chancellor
for Health Affairs

VOLUNTEER GENERAL HOSP-

161 MOUNT PELIA RD
MARTIN, TN 38237

Medicare Hospital Provider Number: 440061

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	867	14	9 - 15	925	13	9 - 14
Cancer	22	73	25 - 63	13	69	18 - 67
Cerebrovascular Accidents	59	15	17 - 37	50	26	17 - 42
Gastrointestinal Catastrophes	13	38	10 - 62	7	0	16 - 62
Infectious Disease	8	25	6 - 66	4	25	7 - 82
Metabolic/Electrolyte Disorders	21	19	11 - 49	16	50	8 - 58
Pulmonary Disease	58	29	13 - 39	56	25	12 - 37
Renal Failure	4	75	7 - 84	3	67	8 - 90
Severe Acute Heart Disease	30	60	24 - 59	40	65	26 - 57
Severe Chronic Heart Disease	39	28	9 - 39	38	13	12 - 36
Severe Trauma	0	-	-	2	50	0 - 95
Gastrointestinal Disease	89	8	0 - 23	99	3	0 - 12
Gynecologic Disease	11	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	99	5	1 - 14	105	5	1 - 13
Musculoskeletal/Skin Conditions	80	2	0 - 16	99	2	0 - 11
Neuropsychiatric/Sensory Disease	13	0	0 - 91	16	0	0 - 68
Urologic Disease	37	0	0 - 33	44	7	0 - 62

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	100
Occupancy Rate (%):	49
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

HCA Volunteer General Hospital

October 21, 1988

Ms. Sandra Kappert
Health Standards and Quality
Bureau (HCFA)
Meadows East Building, 2-D-2
6325 Security Boulevard
Baltimore, Maryland 21207

RE: Volunteer General Hospital ID# 440061

Dear Ms. Kappert:

We have reviewed the Medicare hospital mortality information for 1987 which you submitted to us for review. Based upon our records, we do not have any problem with the accuracy. However, in reviewing the records and the information that will be released, we feel that it does not really reflect the individual problems by disease category at hospitals like ours. For example:

> Under the disease category of cancer, the range for percentages of death was 25 to 63%. However, for our hospital, our percentage was 73%. The records do not entirely reflect that the average age of the patients in all categories reviewed was 78.8%, and the average age under the disease category of cancer was 73.3. Also, as Volunteer General Hospital is a 100 bed general acute care facility and the only hospital in the county, many patients are transferred to Memphis and Nashville for cancer treatment. They are then returned home to spend their remaining days with their families and loved ones. These individuals remain at home until their last few days or until the pain gets so intense that they are admitted to the hospital for pain medication and to relieve their suffering. The family members can no longer bear to watch them suffer at home. As our community does not have a Hospice facility, our hospital has to serve as "all things to all people".

161 Mount Pelia Road
P.O. Box 967
Martin, Tennessee 38237
Telephone (901) 587-4261
A subsidiary of HCA The Healthcare Company

We do not disagree with the concept of the publication of the mortality information; however, only wish that it could really reflect the ranges based upon like institutions.

Sincerely,

Joe D. DePew
Administrator

JDD/hga

WARREN REGIONAL HOSP

SPARTA RD
MCMINNVILLE, TN 37110

Medicare Hospital Provider Number: 440038

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	288	12	7 - 16	339	9	7 - 14
Cancer	4	75	10 - 84	4	50	7 - 84
Cerebrovascular Accidents	11	64	15 - 67	13	38	15 - 64
Gastrointestinal Catastrophes	0	-	-	2	0	1 - 89
Infectious Disease	1	0	0 - 98	2	0	1 - 91
Metabolic/Electrolyte Disorders	3	0	0 - 94	4	0	3 - 71
Pulmonary Disease	19	42	10 - 54	16	38	8 - 55
Renal Failure	1	0	1 - 97	0	-	-
Severe Acute Heart Disease	4	50	11 - 86	13	38	17 - 67
Severe Chronic Heart Disease	18	33	10 - 53	11	36	14 - 66
Severe Trauma	2	0	2 - 89	0	-	-
Gastrointestinal Disease	35	3	0 - 33	39	0	0 - 18
Gynecologic Disease	6	0	0 -100	5	0	0 -100
Low-Risk Heart Disease	45	2	0 - 24	61	3	0 - 17
Musculoskeletal/Skin Conditions	19	0	0 - 63	26	0	0 - 61
Neuropsychiatric/Sensory Disease	4	0	0 -100	7	0	0 -100
Urologic Disease	16	0	0 -100	14	0	0 - 94

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	25
Occupancy Rate (%):	84
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	18
Percent of Physicians Who Are Board Certified Specialists:	72
Interns and Residents:	0
Registered Nurses:	21
Licensed Practical Nurses:	20

SPECIALTY SERVICES

Shock/Trauma Unit:	Yes
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WAYNE CO GENERAL HOSP

HWY 64
WAYNESBORO, TN 38485

Medicare Hospital Provider Number: 440010

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	234	16	9 - 19	312	12	9 - 18
Cancer	4	75	11 - 84	5	40	16 - 86
Cerebrovascular Accidents	8	13	6 - 59	8	13	10 - 62
Gastrointestinal Catastrophes	1	0	0 - 99	6	33	5 - 73
Infectious Disease	2	100	5 - 89	2	100	11 - 95
Metabolic/Electrolyte Disorders	5	40	3 - 78	7	14	9 - 67
Pulmonary Disease	29	28	16 - 50	30	17	10 - 40
Renal Failure	1	100	2 -100	4	50	16 - 97
Severe Acute Heart Disease	6	17	13 - 74	9	56	18 - 76
Severe Chronic Heart Disease	14	43	7 - 57	17	35	9 - 53
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	24	4	0 - 72	17	12	0 - 90
Gynecologic Disease	2	0	0 -100	2	0	0 -100
Low-Risk Heart Disease	38	5	0 - 29	63	3	1 - 14
Musculoskeletal/Skin Conditions	18	6	0 - 88	30	0	0 - 35
Neuropsychiatric/Sensory Disease	1	0	0 -100	2	0	0 -100
Urologic Disease	1	0	0 -100	5	0	0 - 80

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	70
Occupancy Rate (%):	20
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	7
Percent of Physicians Who Are Board Certified Specialists:	43
Interns and Residents:	0
Registered Nurses:	10
Licensed Practical Nurses:	12

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WEST SIDE HOSP

2208 PATTERSON ST
NASHVILLE, TN 37203

Medicare Hospital Provider Number: 440167

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	1,005	6	6 - 10	1,091	5	6 - 10
Cancer	31	35	24 - 59	41	27	27 - 57
Cerebrovascular Accidents	9	11	6 - 55	16	19	10 - 50
Gastrointestinal Catastrophes	4	25	4 - 80	5	80	14 - 81
Infectious Disease	6	17	18 - 79	7	29	9 - 71
Metabolic/Electrolyte Disorders	10	30	7 - 63	5	20	3 - 74
Pulmonary Disease	26	27	13 - 48	39	21	11 - 39
Renal Failure	0	-	-	4	75	8 - 84
Severe Acute Heart Disease	20	35	18 - 59	19	21	18 - 55
Severe Chronic Heart Disease	29	24	10 - 42	19	11	8 - 41
Severe Trauma	1	0	1 - 97	0	-	-
Gastrointestinal Disease	51	2	0 - 20	69	3	0 - 15
Gynecologic Disease	34	0	0 -100	47	0	0 -100
Low-Risk Heart Disease	76	0	1 - 7	68	1	1 - 11
Musculoskeletal/Skin Conditions	159	1	0 - 8	175	1	0 - 6
Neuropsychiatric/Sensory Disease	15	0	0 - 96	22	5	0 - 55
Urologic Disease	180	1	0 - 8	160	1	0 - 9

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	230
Ownership/Control:	Private, For Profit

STAFFING

Interns and Residents:	0
Registered Nurses:	161
Licensed Practical Nurses:	45

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	Yes
Organ Transplant Service:	No
Hospice Care:	No

WESTERN MENTAL HEALTH INSTITUTE

HWY 64
BOLIVAR, TN 38074

Medicare Hospital Provider Number: 440154

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	12	0	1 - 40	17	0	3 - 27
Cancer	0	-	-	0	-	-
Cerebrovascular Accidents	1	0	0 - 98	0	-	-
Gastrointestinal Catastrophes	0	-	-	0	-	-
Infectious Disease	0	-	-	0	-	-
Metabolic/Electrolyte Disorders	0	-	-	1	0	0 - 98
Pulmonary Disease	0	-	-	1	0	0 -100
Renal Failure	0	-	-	0	-	-
Severe Acute Heart Disease	0	-	-	0	-	-
Severe Chronic Heart Disease	0	-	-	2	0	2 - 88
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	0	-	-	0	-	-
Gynecologic Disease	0	-	-	0	-	-
Low-Risk Heart Disease	2	0	0 -100	1	0	0 -100
Musculoskeletal/Skin Conditions	0	-	-	2	0	0 -100
Neuropsychiatric/Sensory Disease	2	0	0 -100	1	0	0 -100
Urologic Disease	0	-	-	1	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	12
Ownership/Control:	State Government

STAFFING

Interns and Residents:	0
Registered Nurses:	6
Licensed Practical Nurses:	2

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WHITE CO COMMUNITY HOSP

401 SEWELL RD
SPARTA, TN 38583

Medicare Hospital Provider Number: 440192

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	322	16	10 - 19	350	15	8 - 16
Cancer	4	50	8 - 84	6	83	15 - 76
Cerebrovascular Accidents	19	37	14 - 56	25	32	10 - 47
Gastrointestinal Catastrophes	3	33	1 - 88	1	100	0 - 98
Infectious Disease	4	50	7 - 83	4	50	5 - 82
Metabolic/Electrolyte Disorders	4	25	0 - 95	9	11	4 - 57
Pulmonary Disease	31	23	16 - 47	25	24	13 - 48
Renal Failure	3	67	5 - 88	0	-	-
Severe Acute Heart Disease	19	47	19 - 62	15	53	15 - 63
Severe Chronic Heart Disease	25	8	10 - 36	18	28	9 - 50
Severe Trauma	0	-	-	0	-	-
Gastrointestinal Disease	22	5	0 - 91	34	3	1 - 23
Gynecologic Disease	0	-	-	4	0	0 -100
Low-Risk Heart Disease	39	3	0 - 24	48	10	0 - 36
Musculoskeletal/Skin Conditions	28	0	0 - 41	25	4	0 - 67
Neuropsychiatric/Sensory Disease	4	0	0 -100	8	0	0 -100
Urologic Disease	11	0	0 - 94	6	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	54
Occupancy Rate (%):	26
Ownership/Control:	Private, For Profit

STAFFING

Total Number of Physicians:	(not available)
Percent of Physicians Who Are Board Certified Specialists:	(not available)
Interns and Residents:	(not available)
Registered Nurses:	(not available)
Licensed Practical Nurses:	(not available)

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WHITWELL MEDICAL CENTER

101 N MAPLE
WHITWELL, TN 37397

Medicare Hospital Provider Number: 440090

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	282	14	8 - 17	276	9	9 - 16
Cancer	4	50	9 - 85	5	40	16 - 87
Cerebrovascular Accidents	7	57	6 - 71	5	20	5 - 74
Gastrointestinal Catastrophes	1	100	2 - 97	2	100	11 - 95
Infectious Disease	3	67	3 - 86	2	50	2 - 92
Metabolic/Electrolyte Disorders	3	33	2 - 87	2	0	1 - 90
Pulmonary Disease	27	33	12 - 48	26	19	11 - 44
Renal Failure	1	100	1 - 97	0	-	-
Severe Acute Heart Disease	16	13	24 - 60	20	20	20 - 56
Severe Chronic Heart Disease	13	0	7 - 35	10	0	3 - 41
Severe Trauma	0	-	-	2	0	1 - 90
Gastrointestinal Disease	33	3	0 - 49	20	5	0 - 78
Gynecologic Disease	4	0	0 -100	0	-	-
Low-Risk Heart Disease	32	0	0 - 22	36	0	1 - 14
Musculoskeletal/Skin Conditions	26	0	0 - 66	18	0	0 - 88
Neuropsychiatric/Sensory Disease	19	5	0 - 47	12	0	0 -100
Urologic Disease	13	8	0 - 97	17	0	0 - 41

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: HCFA 1987

Total Beds (#):	52
Ownership/Control:	Private, For Profit

STAFFING

Interns and Residents:	0
Registered Nurses:	18
Licensed Practical Nurses:	19

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	Yes
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

WILLIAMSON MEDICAL CENTER

2021 CAROTHERS RD BOX 1600
FRANKLIN, TN 37065

Medicare Hospital Provider Number: 440029

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	923	12	10 - 15	986	13	11 - 16
Cancer	31	42	26 - 62	36	61	31 - 65
Cerebrovascular Accidents	36	31	14 - 45	34	29	15 - 46
Gastrointestinal Catastrophes	1	0	0 - 99	4	0	12 - 75
Infectious Disease	21	38	15 - 57	28	46	21 - 60
Metabolic/Electrolyte Disorders	14	21	11 - 57	12	0	10 - 43
Pulmonary Disease	54	33	17 - 44	72	24	18 - 40
Renal Failure	4	0	4 - 75	4	50	12 - 90
Severe Acute Heart Disease	20	45	24 - 66	45	44	27 - 57
Severe Chronic Heart Disease	42	38	14 - 44	51	24	14 - 38
Severe Trauma	1	0	1 - 97	0	-	-
Gastrointestinal Disease	57	0	1 - 10	73	4	0 - 17
Gynecologic Disease	1	0	0 -100	8	0	0 -100
Low-Risk Heart Disease	104	6	1 - 13	87	0	1 - 7
Musculoskeletal/Skin Conditions	108	1	0 - 8	102	3	0 - 12
Neuropsychiatric/Sensory Disease	39	3	0 - 27	40	0	0 - 19
Urologic Disease	45	2	0 - 77	44	5	0 - 77

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#): 140
Occupancy Rate (%): 55
Ownership/Control: Private, Non-profit

STAFFING

Total Number of Physicians: 55
Percent of Physicians Who Are Board Certified Specialists: 67
Interns and Residents: 0
Registered Nurses: 121
Licensed Practical Nurses: 53

SPECIALTY SERVICES

Shock/Trauma Unit: No
Burn Unit: No
Medical/Surgical Intensive Care: Yes
Cardiac Intensive Care: No
Organ Transplant Service: No
Hospice Care: No

WOODS MEMORIAL HOSP

HWY 411 BOX 410
ETOWAH, TN 37331

Medicare Hospital Provider Number: 440054

Diagnostic Category	Calender Year 1987			Calender Year 1986		
	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)	Cases	Actual Mortality Rate (%)	Range For Predicted Mortality (%)
All Cases	598	12	9 - 16	665	13	10 - 17
Cancer	22	64	28 - 68	21	71	29 - 68
Cerebrovascular Accidents	34	15	17 - 43	41	32	20 - 49
Gastrointestinal Catastrophes	3	33	2 - 86	1	100	1 - 97
Infectious Disease	1	100	2 - 97	1	100	2 -100
Metabolic/Electrolyte Disorders	2	50	7 - 95	11	45	10 - 66
Pulmonary Disease	56	14	14 - 35	59	12	15 - 36
Renal Failure	2	100	11 - 96	4	100	19 - 88
Severe Acute Heart Disease	15	53	21 - 69	21	43	24 - 65
Severe Chronic Heart Disease	36	17	11 - 38	42	33	14 - 43
Severe Trauma	1	100	3 - 98	1	0	0 - 99
Gastrointestinal Disease	70	3	1 - 14	72	1	0 - 13
Gynecologic Disease	11	0	0 -100	12	0	0 -100
Low-Risk Heart Disease	127	4	1 - 10	123	0	3 - 6
Musculoskeletal/Skin Conditions	37	3	0 - 45	58	2	0 - 15
Neuropsychiatric/Sensory Disease	9	11	0 - 83	4	0	0 -100
Urologic Disease	9	0	0 - 85	9	0	0 -100

HOSPITAL CHARACTERISTICS

SURVEY AND YEAR: AHA 1987

Total Beds (#):	116
Occupancy Rate (%):	69
Ownership/Control:	District/Authority

STAFFING

Total Number of Physicians:	36
Percent of Physicians Who Are Board Certified Specialists:	44
Interns and Residents:	0
Registered Nurses:	23
Licensed Practical Nurses:	30

SPECIALTY SERVICES

Shock/Trauma Unit:	No
Burn Unit:	No
Medical/Surgical Intensive Care:	No
Cardiac Intensive Care:	No
Organ Transplant Service:	No
Hospice Care:	No

Technical Appendix

TECHNICAL APPENDIX

METHODOLOGY

The Data Base

The data that are analyzed in this report are drawn from the MEDPAR file, which is assembled and updated quarterly by the Bureau of Data Management and Strategy in HCFA. This file is constructed from information on hospitalizations submitted to HCFA by hospitals through fiscal intermediaries. Data obtained from the Social Security Administration also contribute to the file. The data include the age, sex and date of death of each Medicare beneficiary. Because each beneficiary is assigned a unique health insurance claim number, it is possible to link hospitalizations longitudinally. Prior hospitalizations and readmissions can be found, as well as the date of death, whenever and wherever it occurred.

The hospitalizations in this file are segregated by the year of discharge. The data used in these analyses were drawn from the 1985, 1986 and 1987 discharges. The update cycles used for these years were 12/31/87, 6/10/88 and 6/10/88, respectively.

The process of data management consisted of selecting discharges from acute-care hospitals, calculating analytical variables that required data from prior hospitalizations and selecting the last discharge for each beneficiary for 1986 and 1987. The following rules were used to select discharges from acute-care hospitals:

1) Include only discharges from short-term (general and specialty) hospitals. These hospitals have a 0 in the third position of their "provider number."

2) Exclude discharges from psychiatric units, rehabilitation units, swing-beds and alcohol/drug units. These records have "provider codes" of S, T, U and V, respectively.

3) Exclude discharges from special cost centers. These are designated by a 9 in the fourth position of the "provider number."

4) Exclude discharges where the date of death precedes the date of admission, because these are obvious data errors.

Variables dependent on data from prior hospitalizations were calculated as follows:

1) For each beneficiary, sort the discharges in descending order by "discharge date" and "admission date" and stack the discharges for the current and prior years.

2) For the last discharge in the current year, determine whether the beneficiary at admission was transfered from another hospital. Operationally, the "discharge destination" for the prior discharge must be coded as a discharge to a short-term hospital, and the "discharge date" for the prior discharge must be no more than one day prior to the "admission date" for the last discharge.

3) For each discharge, use the principal diagnosis (the first "diagnostic code") to determine the diagnostic category as defined in Table 2 of the Introduction. Diagnoses that are not listed in this table are placed in a residual category of intermediate risk.

4) For the last discharge of the current year, count the number of admissions by diagnostic category that occurred within the 182 days prior to the admission date for this discharge.

Subsequently, the last discharges for 1986 and 1987 were selected and segregated by diagnostic categories into separate files for analysis. Only hospitals that had discharges in 1987 were considered for publication. Canadian and emergency hospitals were excluded. Six other hospitals were excluded because they terminated operations prior to 1987 or because their "provider number" was invalid.

Mortality Rates

In this project, the definition of mortality used to calculate mortality rates was death within 30 days of admission. The choice of a fixed period of 30 days after admission avoids biases that might occur if in-hospital deaths only were counted. Sufficient followup is available to permit complete estimation of mortality rates based upon this choice. Choosing a specific discharge avoids multiple counts of the same death. The last discharge for the year is biased to higher short-term risk.

Diagnostic Categories

Lists of the ICD-9-CM codes included in each diagnostic category are found in Table 2 of the Introduction to this report. The lists were constructed to represent diagnostic categories that are medically coherent and rather homogeneous with respect to risk of death.

Grouping was performed by combining clinically related diagnostic clusters when associated mortality rates were similar to one another. For each primary diagnosis, these rates were calculated from the 5% random sample of Medicare discharges for 1985 and 1986. For instance, Klebsiella pneumonia (482.0, 1385 patients, observed mortality = 24.3%) and Pseudomonas pneumonia (482.1, 1416 patients, observed mortality = 25.2%) were combined in the Pulmonary Disease category, as were subarachnoid hemorrhage (430, 525 patients, observed mortality = 47.8%) and intracerebral hemorrhage (431, 2883 patients, observed mortality = 42.9%), in the Cerebrovascular Accidents category.

These aggregations are generally analogous to the categories used in the 1987 analysis, but are more risk-homogeneous. In some cases, risk categories were expanded to incorporate a broader range of related conditions associated with similar risks of subsequent mortality, such as expanding ophthalmology to include psychiatric and other sensory system disorders or expanding low risk orthopedic conditions to include low risk dermatologic and muscular disorders.

In other instances, conditions were transferred to new categories based on empirical evidence that associated mortality rates were higher or lower than previously anticipated. For example, cancer of the salivary gland, gums, mouth, and oropharynx (142-146, observed mortality = 8.8%) was moved from high risk cancer to the intermediate risk category (average mortality = 8.5%), paroxysmal ventricular tachycardia (427.1, observed mortality 8.9%) was moved from the severe acute heart disease to the intermediate risk category, acute and chronic gastric ulcers with perforation, with and without hemorrhage (531.1, 531.2, 531.5, 531.6, observed mortality = 21.8%) was moved from low risk GI disease to GI catastrophe, pneumonia due to H. influenzae (482.2, observed mortality = 8.6%) was moved from high risk pulmonary to the intermediate risk category, fracture of the femur (820, 821, observed mortality = 6.1%) was moved from high risk trauma to the intermediate risk category, and chronic glomerulonephritis and other nephritis and nephropathy (582, 583, observed mortality 2.2%) was moved from high risk renal to low risk urologic disease. The new categories were reviewed for clinical and coding consistency and face validity, and final adjustments were made. Final adjustments included combining myocardial infarctions in a single risk group since coding variations among institutions made separation into different categories problematic, and removing italicized ICD-9-CM diagnoses from named risk groups since they are not valid principal diagnoses.

Demographic Variables

As in 1987, age and sex variables were used to characterize each patient. The sex variable is an indicator variable, as shown in Table 1. The patient's age was expressed in the 1987 Mortality Release by indicator variables in six categories, 65, 65-69, 70-74, 75-79, 80-84, and 85. For the 1988 Mortality Release, the age relative to 65 years and the square of this variable, as shown in Table 1, replaced the categorical age variables.

Comorbidity Variables

As in 1987, the secondary diagnoses (0-4 in number, "diagnostic codes" 2-5) were used to construct variables indicating the presence of comorbidities. The eight comorbidity indicator variables used in the analyses are: diabetes (DI), chronic pulmonary disease (OP), cancer (CA), chronic liver disease (LV), chronic renal disease (RN), cerebral vascular degeneration or chronic psychosis (CE), hypertensive disease (HY) and chronic cardiovascular disease (CV). The ICD-9-CM codes defining these variables are the same as were used in 1987 and are listed in Table 3 of the Introduction.

Prior History Variables

In the 1987 Mortality Release, the number of prior admissions was not based on a fixed interval of time prior to the admission date for the last discharge of the year, but included only prior admissions with discharges in the same calendar year (1986). Also all admissions were counted without any distinction among the risks associated with various prior admissions. In the 1988 Mortality Release, prior admissions are counted for a fixed interval of six months prior to the admission date for the last discharge of the year, and separate counts of prior admissions are made for three risk levels. They are admissions with high, low and intermediate risk. In Table 2 of the Introduction, diagnostic categories are defined as high risk or low risk. The intermediate risk category is composed of ICD-9-CM codes not listed in that table. Indicator variables are defined for the high risk category, as shown in Table 1, as PH1 if there was one prior high risk admission, PH2 if there were two and PH3M if there were three or more. Similar variables are defined for low risk (PL1, PL2, PL3M) and intermediate risk (PU1, PU2, PU3M) admissions. The indicator variable TRIN records whether or not the patient was transfered into the hospital from another acute-care hospital.

Analytic Techniques

The principal analytic tool was logistic regression (see, for example, Cox (1970)). Because the diagnostic categories are mutually exclusive, the analyses to ascertain the influence of patient characteristics (demographics, comorbidities and prior histories) were carried out separately for each category.

The probability π that a patient dies within 30 days of admission depends on the patient's characteristics x_i. Table 1 lists the covariates used in the logistic model for this year's analysis. Generally the same variables were used across all diagnostic categories. There are some exceptions. For example, the variable sex is not included as a covariate in the analyses for the diagnostic category gynecologic disease. In all other cases, the model is the same, with the occasional omission of one or more variables because of estimation difficulties (See Tables 2 and 3).

The dependence of π on these variables is specified by a logistic model:

$$\log\ (\pi/(1-\pi)) = \Sigma_i \beta_i x_i.$$

The regression coefficients β_i are estimated by the method of maximum likelihood. It is possible then to estimate the probability of dying for a patient from his or her characteristics x_i. By averaging over all the patients for whom treatment in a given hospital is being evaluated, the estimated mortality rate for that hospital is found. This analysis is carried out for each individual diagnostic category (the 16 explicitly defined categories as well as the residual category). The coefficients for each diagnostic category are shown in Table 2 for the 1987 data and in Table 3 for the 1986 data. Blank spaces in these tables mean that the corresponding variables were not used in the model. This is the same as fixing the parameter estimates for the unused variables at zero. Calculations were performed using the SAS procedure LOGIST as described by the SAS Institute (1986).

In addition to the estimates of regression coefficients for the logistic regression model, Tables 2 and 3 also display the model chi-square, based on the likelihood ratio, the number of cases and the number of deaths, for each of the diagnostic categories. The model chi-square has 22 degrees of freedom in most cases. The exceptions occur when one or more variables are removed from the model. In these cases, the degrees of freedom are reduced by one for each variable removed from the model. In all cases, the model chi-square is highly significant ($P < 0.001$). Note that the coefficients from 1987 and 1986 data are generally similar, as can be seen clearly in Table 4. The major differences occur in low risk categories or when there are only a few cases associated with the variable. In these situations, the parameter estimates are less stable. For example, there are relatively few cases associated with the variables for three or more prior admissions within six months. The regression coefficients in Tables 2 and 3 were used to estimate the probability of death within 30 days of the last admission in 1987 or 1986 for a 1987 "average case" for each of the diagnostic categories, as shown in Table 4. The "average case" is a hypothetical "patient" whose characteristics correspond to average values of each variable within a diagnostic category. The mortality rate for this 1987 "average case" using the 1986 and 1987 coefficients is displayed in Table 4 along with the average observed mortality rate. Note the similarity of the data for 1986 and 1987. Note also that the average observed and the average predicted mortality rates must be equal, but that the predicted mortality rate for the "average case" differs from them somewhat because of the inverse logit transformation that is needed to convert the sum of the products of the average values of the variables and the regression coefficients to a probability of dying. Since there is no way to know that a given admission will result in the last discharge of the year, these equations generally should not be used for predicting the outcome for individual cases.

The second quantity required of the analyses was an estimate of the uncertainty in the mortality rate expressed as a range of predicted rates encompassing a specified proportion (95%) of the probable values. For this it is necessary to compute the variance of the probability of death at a given hospital.

There are two components of variance included in our calculation of the range of mortality for a hospital. The first is the sampling variance, which is estimated by:

$SV_j = B_j(1-B_j) / N_j$,

where

$B_j = (N_j p_j + 1) / (N_j + 2)$,

and p_j is the observed proportion of persons who had died among the N_j persons at risk, within a specified diagnostic category (or overall). B_j is a Bayesian estimate of the probability of dying. The second component arises from the systematic differences among hospitals in the identified factors included in the logistic model. This contribution to the variance is estimated by:

$IHV_j = (1-(1/N_j))\ V$

where V, the inter-hospital variance, is

$V = \Sigma_j\ (P_j - \bar{P})^2\ (N_j / N_t)$.

P_j is the predicted mortality rate and N_j is the number of cases at risk at hospital j. $N_t = \Sigma_j N_j$ is the total number of cases at risk and $\bar{P} = (\Sigma_j N_j P_j) / N_t$ is the average mortality rate, in the category under consideration. To see how this formula arises, consider the basic identity (Kendall, Stuart and Ord, 1983, p.212):

$Var(x) = E_\theta \{Var_{x|\theta}(x)\} + Var_\theta \{E_{x|\theta}(x)\}$.

When this formula is applied to a binomial random variable x, the result is

$Var(x) = n\ E_\theta\ \{\theta\}(1-E_\theta\{\theta\}) + n(n-1)\ Var_\theta\{\theta\}$

as given by Mosimann (1962, equation 36). From this it follows that

$$\mathrm{Var}(x/n) = \mathrm{Var}(x) / n^2 = (E_\theta\{\theta\}(1-E_\theta\{\theta\})) / n + (1-(1/n)) \mathrm{Var}\{\theta\}$$

where $V\{\theta\} = V$, the constant inter-hospital variance. Values of V for each diagnostic category are in Table 4.

The ranges of predicted mortality rates given in this publication encompass 95% of the probable values on a logit scale, which ensures that the range neither goes below zero nor above 100%. On the logit scale, the range of predicted values P is given by:

$$R_j = \log(P_j/(1-P_j)) \pm 1.96(\sqrt{SV_j + IHV_j}) / (P_j(1-P_j)).$$

Retransformed to the probability scale, the upper end of the range is:

$$\exp(R_+) / (1 + \exp(R_+))$$

and the lower end is:

$$\exp(R_-) / (1 + \exp(R_-))$$

where R_+ is the value of R taken with the + sign and R_- is the value of R taken with the - sign.

The tabulation of the numbers of cases at risk (i. e., the number of patients whose last discharge in 1987 was from the given hospital), of the percentage of these persons who died within 30 days of the date of admission for that hospitalization, and of the range of predicted mortality rates encompassing 95% of the probable values on the logit scale forms the core of the present publication. A similar display is also included for the 1986 data.

An implication that bears importantly on year-to-year stability of rankings is that there remain important sources of variability in outcomes associated with variations in patient characteristics (such as severity of illness) and other factors that have not been taken into account in the models used in the present analyses.

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James E. Mosimann (1962) "On the compound multinomial distribution, the multivariate β-distribution, and correlations among proportions," Biometrika, 49, 65-82.

SAS Institute Inc. (1986) SUGI Supplemental Library User's Guide, Version 5 Edition, Cary, NC: SAS Institute, Inc.

TABLE 1

Covariates used in the logistic models for the 1988 Hospital Mortality Release. Generally the same variables are used for all diagnostic categories. The two-letter codes for comorbidities are defined in terms of ICD-9-CM codes in Table 3 of the Introduction to this report.

Intercept	Constant added into the logistic model in all cases.

Demographics

RAG	Age of patient in years divided by 65.
RAGSQ	RAG squared.
SEX	An indicator variable: Male 0 and Female 1.

Comorbidities (Indicator variables)

DI	1 if patient has diabetes, 0 if not.
OP	1 if chronic pulmonary disease, 0 if not.
CA	1 if cancer, 0 if not.
LV	1 if chronic liver disease, 0 if not.
RN	1 if chronic renal disease, 0 if not.
CE	1 if cerebrovascular degeneration or chronic psychosis, 0 if not.
HY	1 if hypertensive disease, 0 if not.
CV	1 if chronic cardiovascular disease, 0 if not.

Prior Histories (Indicator variables)

PH1	1 if patient has had 1 recent high-risk admission, 0 if not.
PH2	1 if patient has had 2 recent high-risk admissions, 0 if not.
PH3M	1 if patient has had 3 recent high-risk admissions, 0 if not.
PL1	1 if patient has had 1 recent low-risk admission, 0 if not.
PL2	1 if patient has had 2 recent low-risk admissions, 0 if not.
PL3M	1 if patient has had 3 recent low-risk admissions, 0 if not.
PU1	1 if patient has had 1 recent medium-risk admission, 0 if not.
PU2	1 if patient has had 2 recent medium-risk admissions, 0 if not.
PU3M	1 if patient has had 3 recent medium-risk admissions, 0 if not.
TRIN	1 if patient was transfered into the hospital, 0 if not.

Recent means within six months (182 days) before the admission date on the last discharge.

Table 2

1987 Parameter Estimates

Conditions:

CA - Cancer
CE - Cerebrovascular accidents
EY - Neuropsychiatric and sensory disease
GC - Gastrintestinal catastrophes
GI - Gastrointestinal disease
GU - Urologic disease
GY - Gynecologic disease
HL - Low-risk heart disease
HM - Severe chronic heart disease
HS - Severe acute heart disease
ME - Metabolic/electrolyte disturbances
OP - Muskuloskeletal and cutaneous conditions
PN - Pulmonary disease
RN - Renal failure
SE - Infectious disease
TR - Severe trauma
UN - All other conditions

Table 2.1

PARAMETER ESTIMATES(EST) AND STANDARD ERRORS(SE) FROM THE 1988 MODEL
APPLIED TO THE LAST DISCHARGES FOR 1987

CONDITIONS	CA		CE		EY		GC		GI		GU	
VARIABLES	EST	SE	EST	SE	EST	SE	EST	SE	EST	SE	EST	SE
INTERCEPT	-0.9591	0.1846	1.1997	0.2163	-5.2813	0.2800	-2.3087	0.2017	-3.5635	0.2663	-4.7226	0.4824
RAG	-1.6335	0.3285	-6.6151	0.3659	-1.5611	0.5229	-0.4696	0.3734	-5.5355	0.4572	-5.5282	0.8185
RAGSQ	1.3503	0.1465	3.7120	0.1544	2.2297	0.2447	1.2330	0.1746	4.2574	0.1972	4.4686	0.3499
SEX	-0.2402	0.0094	-0.0476	0.0099	-0.5750	0.0287	-0.1175	0.0199	-0.1243	0.0185	0.5935	0.0350
DI	-0.1024	0.0258	0.1020	0.0165	0.1759	0.0587	-0.1638	0.0415	0.2683	0.0400	0.4540	0.0636
OP	-0.0561	0.0141	0.1279	0.0185	0.3559	0.0436	0.0051	0.0359	0.2458	0.0285	0.1487	0.0535
CA	0.5768	0.0093	0.8097	0.0252	1.9331	0.0441	1.0668	0.0340	1.6400	0.0301	1.4296	0.0452
LV	1.3567	0.0417	0.9674	0.0741	0.8902	0.1032	0.9094	0.0259	1.3731	0.0523	1.4221	0.1900
RN	1.0472	0.0364	0.8796	0.0314	1.6159	0.0678	0.6804	0.0411	1.4903	0.0431	1.4730	0.0594
CE	-0.0632	0.0394	-0.6277	0.0291	0.2072	0.0601	-0.5066	0.0825	0.0970	0.0636	0.5856	0.0843
HY	-0.3680	0.0492	-0.0778	0.0226	-0.0419	0.1010	-0.3043	0.0760	-0.1481	0.0642	-0.0122	0.1146
CV	0.3520	0.0118	0.3532	0.0097	0.6803	0.0304	0.5708	0.0221	0.7706	0.0186	0.9333	0.0323
PH1	0.9049	0.0111	0.4668	0.0149	1.0171	0.0409	0.4431	0.0263	1.0073	0.0263	1.1523	0.0425
PH2	1.3110	0.0199	0.8399	0.0344	1.6964	0.0753	0.5912	0.0461	1.4578	0.0538	1.5987	0.0906
PH3M	1.5586	0.0339	1.2198	0.0752	1.9332	0.1458	0.5752	0.0666	1.8720	0.1031		
PU1	0.4216	0.0129	0.3815	0.0163	0.5417	0.0398	0.2922	0.0263	0.5258	0.0251	0.6359	0.0416
PU2	0.6721	0.0242	0.6588	0.0401	0.9497	0.0767	0.4900	0.0517	0.9993	0.0487	1.0869	0.0809
PU3M	0.8003	0.0291	0.7082	0.0782	1.4732	0.1082	0.5197	0.0815	1.0673	0.0858	1.5890	0.1328
TRIN	-0.2626	0.0293	-0.0471	0.0357	0.5169	0.1053	0.3129	0.0627	0.6705	0.0692	0.6464	0.1219
PL1	0.1573	0.0162	0.1208	0.0159	0.1455	0.0378	0.1427	0.0301	0.2183	0.0250	0.1653	0.0433
PL2	0.1772	0.0437	0.1758	0.0411	0.1414	0.0801	0.1743	0.0731	0.3797	0.0533	0.4906	0.0895
PL3M	0.1269	0.1044	0.3631	0.0888	0.0705	0.1537	0.1452	0.1591	0.2971	0.1094	0.8340	0.1643
TOTAL NUM.	216,565		240,896		245,185		52,907		451,765		277,784	
DEATHS	89,692		63,407		5,633		18,329		13,776		4,634	
MODEL CHI-SQ.	23,809		11,842		7,524		5,215		16,232		7,689	

Table 2.2

PARAMETER ESTIMATES(EST) AND STANDARD ERRORS(SE) FROM THE 1988 MODEL
APPLIED TO THE LAST DISCHARGES FOR 1987

CONDITIONS	GY		HL		HM		HS		ME		OP	
VARIABLES	EST	SE	EST	SE	EST	SE	EST	SE	EST SE	EST	SE	
INTERCEPT	-9.1786	0.3010	-3.1645	0.2327	-1.9582	0.1666	-0.3864	0.1743	-3.2048	0.2537	-3.3135	0.2154
RAG			-4.6780	0.4036	-1.7762	0.2847	-3.4967	0.3051	0.2668	0.4302	-5.8135	0.3778
RAGSQ	2.3124	0.2106	3.3811	0.1750	1.7348	0.1215	2.6778	0.1335	0.8351	0.1827	4.2440	0.1665
SEX			-0.2982	0.0129	-0.2375	0.0092	-0.0383	0.0088	-0.4303	0.0160	-0.4685	0.0192
DI	0.9843	0.2244	0.2989	0.0241	-0.0471	0.0155	0.1744	0.0155	-0.0804	0.0329	0.3664	0.0349
OP	0.1323	0.2781	0.2005	0.0200	0.0032	0.0117	-0.1526	0.0142	0.0243	0.0273	0.4635	0.0297
CA	2.1844	0.1861	1.5089	0.0244	0.8028	0.0211	0.5563	0.0256	1.6174	0.0200	1.8846	0.0285
LV	1.8871	0.5508	1.2272	0.0787	0.7108	0.0435	1.0323	0.0751	0.8660	0.0693	1.5729	0.0798
RN	2.2304	0.3106	1.1843	0.0297	0.7261	0.0159	0.8167	0.0253	0.6416	0.0304	1.6414	0.0448
CE	0.3470	0.4731	0.0348	0.0444	-0.0814	0.0318	-0.5037	0.0376	-0.2641	0.0316	0.2949	0.0490
HY	0.3073	0.3791	-0.1699	0.0362	-0.3986	0.0280	-0.2861	0.0250	-0.2003	0.0612	0.0462	0.0641
CV	1.3402	0.1349	0.5437	0.0133	0.0804	0.0092	0.2520	0.0093	0.6250	0.0174	0.9847	0.0193
PH1	1.6812	0.1924	0.8796	0.0162	0.6334	0.0106	0.4255	0.0132	0.5445	0.0190	1.0584	0.0288
PH2	2.9031	0.4044	1.4401	0.0306	0.9506	0.0165	0.8011	0.0285	0.7757	0.0346	1.4467	0.0623
PH3M			2.0347	0.0535	1.1726	0.0231	1.1723	0.0571	1.0184	0.0616	2.1872	0.1133
PU1	0.9758	0.1835	0.4561	0.0188	0.3210	0.0128	0.3565	0.0153	0.3166	0.0200	0.4935	0.0279
PU2	1.1076	0.4287	0.8606	0.0392	0.5318	0.0270	0.6332	0.0372	0.4251	0.0382	0.9696	0.0545
PU3M	1.5589	0.6383	1.1950	0.0658	0.6545	0.0489	0.9770	0.0669	0.6245	0.0574	1.4334	0.0845
TRIN	1.3584	0.8502	0.6728	0.0247	0.4610	0.0362	-0.4480	0.0235	0.3256	0.1310	0.8660	0.0862
PL1	-0.3050	0.2295	0.1905	0.0159	0.1086	0.0133	0.1103	0.0139	0.0448	0.0232	0.0407	0.0270
PL2	0.6264	0.4710	0.2546	0.0299	0.1217	0.0300	0.1501	0.0323	0.0580	0.0568	0.0861	0.0616
PL3M			0.4261	0.0480	0.2047	0.0572	0.3722	0.0619	-0.1159	0.1335	-0.0071	0.1383
TOTAL NUM.	61,870		818,849		311,444		246,665		105,282		585,696	
DEATHS	273		27,786		70,762		94,172		26,485		13,186	
MODEL CHI-SQ	667		21,104		19,097		14,457		14,966		18,616	

Table 2.3

PARAMETER ESTIMATES(EST) AND STANDARD ERRORS(SE) FROM THE 1988 MODEL
APPLIED TO THE LAST DISCHARGES FOR 1987

CONDITIONS	PN		RN		SE		TR		UN	
VARIABLES	EST	SE	EST	SE	EST	SE	EST	SE	EST	SE
INTERCEPT	-2.6009	0.1260	-4.7164	0.2568	-2.2654	0.1841	-1.4983	0.4342	-3.5263	0.0652
RAG	-1.1518	0.2161	2.4880	0.4744	-0.2282	0.3274	-1.3583	0.7978	-2.4574	0.1146
RAGSQ	1.7081	0.0927	0.5723	0.2186	0.9669	0.1465	1.4598	0.3676	2.4350	0.0507
SEX	-0.3345	0.0086	-0.1322	0.0252	-0.1198	0.0162	-0.2443	0.0435	-0.2930	0.0052
DI	0.1040	0.0182	0.1180	0.0406	-0.0070	0.0271	-0.0629	0.1099	0.1689	0.0104
OP	-0.3019	0.0103	0.2304	0.0498	-0.0529	0.0308	-0.2491	0.0836	0.2396	0.0074
CA	1.0701	0.0137	0.9455	0.0430	0.7369	0.0237	0.8208	0.1094	1.1744	0.0070
LV	0.6490	0.0482	1.2631	0.1042	0.9764	0.0597	1.1583	0.2114	1.4285	0.0192
RN	0.8493	0.0215	-0.0693	0.0369	0.7499	0.0313	1.1097	0.1679	1.0659	0.0115
CE	0.0284	0.0187	-0.0107	0.0758	-0.3244	0.0425	-0.4878	0.1103	0.0186	0.0146
HY	-0.2986	0.0327	-0.3446	0.0479	-0.3185	0.0673	-0.1716	0.1790	-0.2222	0.0186
CV	0.3876	0.0086	0.6419	0.0259	0.5171	0.0175	0.5752	0.0469	0.6601	0.0053
PH1	0.6818	0.0105	0.3766	0.0300	0.5626	0.0199	0.1086	0.0694	0.9182	0.0069
PH2	0.9608	0.0192	0.6510	0.0520	0.7310	0.0368	0.3808	0.1633	1.3266	0.0137
PH3M	1.2271	0.0338	1.0370	0.0839	0.9597	0.0658	0.9237	0.3318	1.6233	0.0251
PU1	0.5299	0.0114	0.3242	0.0317	0.4128	0.0199	0.2128	0.0718	0.4829	0.0064
PU2	0.8180	0.0227	0.4157	0.0577	0.6202	0.0363	0.4006	0.1684	0.7516	0.0109
PU3M	1.0552	0.0378	0.7940	0.0869	0.7960	0.0558	0.8103	0.3126	0.7356	0.0146
TRIN	0.1327	0.0419	0.1808	0.0533	0.4457	0.0721	-0.1722	0.1057	0.4225	0.0173
PL1	0.2341	0.0135	0.1925	0.0355	0.1490	0.0235	-0.0263	0.0720	0.1152	0.0078
PL2	0.2659	0.0337	0.3193	0.0797	0.2329	0.0566	-0.2338	0.1915	0.1074	0.0187
PL3M	0.2878	0.0754	0.4619	0.1810	0.2501	0.1322	0.2520	0.3722	0.0855	0.0407
TOTAL NUM.	339,986		33,325		77,856		11,777		2,200,419	
DEATHS	87,977		12,531		27,664		3,306		187,048	
MODEL CHI-SQ	38,547		6,125		6,964		621		144,234	

Table 3

1986
Parameter Estimates

Conditions:

CA - Cancer
CE - Cerebrovascular accidents
EY - Neuropsychiatric and sensory disease
GC - Gastrintestinal catastrophes
GI - Gastrointestinal disease
GU - Urologic disease
GY - Gynecologic disease
HL - Low-risk heart disease
HM - Severe chronic heart disease
HS - Severe acute heart disease
ME - Metabolic/electrolyte disturbances
OP - Muskuloskeletal and cutaneous conditions
PN - Pulmonary disease
RN - Renal failure
SE - Infectious disease
TR - Severe trauma
UN - All other conditions

Table 3.1

PARAMETER ESTIMATES(EST) AND STANDARD ERRORS(SE) FROM THE 1988 MODEL
APPLIED TO THE LAST DISCHARGES FOR 1986

CONDITIONS	CA		CE		EY		GC		GI		GU	
VARIABLES	EST	SE	EST	SE	EST	SE	EST	SE	EST	SE	EST	SE
INTERCEPT	-0.6935	0.1711	1.2702	0.2119	-5.0334	0.2787	-2.4782	0.2041	-4.6046	0.2977	-4.9166	0.4960
RAG	-2.0718	0.3060	-6.6604	0.3596	-2.0634	0.5218	-0.1881	0.3780	-3.7139	0.5078	-5.3277	0.8391
RAGSQ	1.5499	0.1373	3.7428	0.1522	2.4025	0.2450	1.1097	0.1769	3.4668	0.2170	4.5152	0.3568
SEX	-0.2593	0.0092	-0.0565	0.0099	-0.6174	0.0289	-0.1210	0.0201	-0.0971	0.0185	0.4567	0.0341
DI	-0.0272	0.0262	0.0901	0.0168	0.1705	0.0602	-0.1277	0.0430	0.3501	0.0402	0.3537	0.0657
OP	-0.1000	0.0144	0.1143	0.0191	0.3318	0.0449	0.0242	0.0366	0.2072	0.0296	0.3862	0.0496
CA	0.5851	0.0092	0.8364	0.0258	1.8688	0.0467	1.0402	0.0349	1.5772	0.0309	1.3949	0.0443
LV	1.2564	0.0407	0.9586	0.0740	1.1024	0.0990	0.8965	0.0259	1.2942	0.0551	1.4362	0.1772
RN	1.0298	0.0361	0.9586	0.0318	1.5581	0.0702	0.6505	0.0412	1.6787	0.0420	1.4506	0.0577
CE	-0.0221	0.0400	-0.6970	0.0305	0.3764	0.0591	-0.4242	0.0824	0.0921	0.0657	0.4479	0.0916
HY	-0.3215	0.0467	-0.0427	0.0218	-0.1194	0.1018	-0.1737	0.0736	-0.1337	0.0618	-0.0633	0.1163
CV	0.3175	0.0118	0.3192	0.0097	0.7138	0.0305	0.5685	0.0226	0.7724	0.0188	0.8915	0.0318
PH1	0.8905	0.0108	0.4851	0.0147	1.1647	0.0401	0.5078	0.0264	1.0110	0.0263	1.0662	0.0423
PH2	1.3003	0.0186	0.8945	0.0343	1.5354	0.0800	0.5598	0.0463	1.4630	0.0545	1.6150	0.0845
PH3M	1.5546	0.0307	1.2319	0.0715	2.1298	0.1384	0.7163	0.0638	1.9491	0.0945	1.9744	0.1628
PU1	0.4014	0.0125	0.3670	0.0161	0.5563	0.0395	0.2703	0.0267	0.5007	0.0252	0.7208	0.0389
PU2	0.7303	0.0237	0.6878	0.0381	1.0727	0.0727	0.4299	0.0509	0.8482	0.0498	1.0602	0.0766
PU3M	0.7999	0.0287	0.9325	0.0753	1.3039	0.1118	0.4267	0.0799	1.2691	0.0786	1.5561	0.1256
TRIN	-0.2505	0.0292	-0.1440	0.0353	0.6729	0.1012	0.3272	0.0622	0.6357	0.0736	0.2013	0.1316
PL1	0.1639	0.0158	0.1246	0.0157	0.1131	0.0377	0.1974	0.0297	0.2120	0.0248	0.2379	0.0404
PL2	0.2254	0.0418	0.2646	0.0388	0.1614	0.0778	0.3439	0.0705	0.2968	0.0537	0.4307	0.0839
PL3M	0.1770	0.0989	0.2803	0.0871	-0.1251	0.1570	0.3168	0.1550	0.4594	0.0995	0.4725	0.1783
TOTAL NUM	222,229		238,401		270,607		52,534		461,326		271,619	
DEATHS	93,522		64,594		5,542		18,040		13,703		4,922	
MODEL CHISQ	25,026		12,188		7,273		5,175		16,023		8,032	

Table 3.2

PARAMETER ESTIMATES(EST) AND STANDARD ERRORS(SE) FROM THE 1988 MODEL
APPLIED TO THE LAST DISCHARGES FOR 1986 10

CONDITIONS	GY		HL		HM		HS		ME		OP	
VARIABLES	EST	SE	EST	SE	EST	SE	EST	SE	EST	SE	EST	SE
INTERCEPT	-6.0902	1.4498	-3.4160	0.2212	-1.6133	0.1692	-0.5198	0.1701	-2.5712	0.2549	-3.7309	0.2242
RAG	-5.5378	2.5669	-4.2268	0.3845	-2.4500	0.2892	-3.1937	0.2987	-1.1829	0.4326	-5.0932	0.3922
RAGSQ	4.7783	1.1535	3.1875	0.1673	2.0516	0.1233	2.5477	0.1310	1.5576	0.1840	3.9324	0.1723
SEX			-0.3070	0.0130	-0.2495	0.0092	-0.0478	0.0087	-0.4780	0.0163	-0.4855	0.0193
DI	0.1866	0.3101	0.2941	0.0250	-0.0197	0.0160	0.1450	0.0158	0.0318	0.0342	0.3539	0.0365
OP	0.5395	0.2405	0.1872	0.0207	0.0077	0.0120	-0.1629	0.0144	0.0252	0.0287	0.3840	0.0315
CA	2.2193	0.1759	1.4997	0.0255	0.8415	0.0212	0.6057	0.0259	1.6491	0.0208	1.9165	0.0288
LV	1.6894	0.6300	1.1551	0.0807	0.8547	0.0438	1.1809	0.0751	0.9253	0.0716	1.5156	0.0806
RN	2.6680	0.2904	1.2739	0.0302	0.7806	0.0164	0.8464	0.0253	0.6618	0.0312	1.6090	0.0468
CE	0.9116	0.3657	0.0700	0.0454	-0.1465	0.0332	-0.4865	0.0385	-0.2090	0.0328	0.2731	0.0516
HY	-0.5363	0.5140	-0.1274	0.0348	-0.3400	0.0270	-0.3097	0.0243	-0.2524	0.0613	0.0238	0.0638
CV	1.3407	0.1327	0.5839	0.0133	0.1184	0.0092	0.2506	0.0090	0.6640	0.0177	1.0189	0.0195
PH1	1.0216	0.2113	0.9189	0.0161	0.6290	0.0106	0.4733	0.0130	0.5411	0.0194	0.9992	0.0292
PH2	1.6429	0.5046	1.4469	0.0310	0.9750	0.0166	0.8402	0.0282	0.8648	0.0347	1.5330	0.0602
PH3M			1.9382	0.0537	1.2485	0.0234	1.2165	0.0565	0.9935	0.0616	2.0814	0.1047
PU1	1.1173	0.1706	0.4277	0.0188	0.3470	0.0128	0.3501	0.0151	0.3306	0.0202	0.5565	0.0273
PU2	2.1093	0.2979	0.8318	0.0382	0.5611	0.0267	0.6626	0.0353	0.5036	0.0384	0.9047	0.0549
PU3M	2.2081	0.6138	0.9628	0.0702	0.7711	0.0481	0.9840	0.0650	0.6713	0.0572	1.3180	0.0858
TRIN	0.9013	0.7009	0.7265	0.0258	0.5468	0.0377	-0.3246	0.0243	0.2211	0.1395	0.7031	0.0868
PL1	0.4276	0.1768	0.1796	0.0160	0.1214	0.0133	0.1137	0.0136	0.0428	0.0233	0.0564	0.0266
PL2	0.9956	0.3936	0.2855	0.0294	0.1428	0.0298	0.2299	0.0313	0.0182	0.0546	0.1999	0.0587
PL3M	0.2168	1.1080	0.4296	0.0471	0.1918	0.0573	0.2938	0.0630	-0.2231	0.1276	0.3776	0.1113
TOTAL NUM	60,709		806,069		306,819		252,802		106,268		598,973	
DEATHS	292		27,612		71,429		98,629		25,226		12,993	
MODEL CHISQ	742		21,313		20,525		15,388		15,173		18,431	

Table 3.3

PARAMETER ESTIMATES(EST) AND STANDARD ERRORS(SE) FROM THE 1988 MODEL APPLIED TO THE LAST DISCHARGES FOR 1986

CONDITIONS	PN		RN		SE		TR		UN	
VARIABLES	EST	SE	EST	SE	EST	SE	EST	SE	EST	SE
INTERCEPT	-2.4297	0.1257	-5.3676	0.2513	-1.9628	0.1900	-1.2194	0.4088	-3.6987	0.0657
RAG	-1.6417	0.2157	4.0378	0.4657	-0.8787	0.3385	-1.6280	0.7616	-2.1326	0.1156
RAGSQ	1.9832	0.0927	-0.1729	0.2153	1.3268	0.1517	1.5136	0.3558	2.3068	0.0511
SEX	-0.3399	0.0087	-0.1521	0.0249	-0.1357	0.0166	-0.2379	0.0439	-0.3210	0.0051
DI	0.0955	0.0189	0.1173	0.0406	-0.0102	0.0289	0.1980	0.1100	0.1557	0.0107
OP	-0.3001	0.0106	0.1944	0.0515	-0.0513	0.0332	-0.3725	0.0878	0.2494	0.0076
CA	1.0634	0.0142	1.0241	0.0434	0.7422	0.0249	1.1083	0.1114	1.1908	0.0069
LV	0.8483	0.0480	1.5236	0.1083	0.9560	0.0634	1.1229	0.2031	1.4421	0.0190
RN	0.9741	0.0217	-0.0975	0.0366	0.8834	0.0323	1.1905	0.1593	1.0938	0.0116
CE	0.0463	0.0197	-0.1517	0.0812	-0.2689	0.0439	-0.9687	0.1333	0.0093	0.0150
HY	-0.3062	0.0315	-0.4059	0.0461	-0.3765	0.0692	-0.5217	0.1900	-0.2185	0.0183
CV	0.3822	0.0087	0.6109	0.0257	0.5128	0.0183	0.5865	0.0477	0.6784	0.0053
PH1	0.7077	0.0107	0.3839	0.0296	0.5894	0.0203	0.0373	0.0718	0.8865	0.0069
PH2	1.0172	0.0193	0.6771	0.0504	0.7663	0.0367	0.4404	0.1499	1.3351	0.0135
PH3M	1.2355	0.0334	0.8575	0.0795	1.0428	0.0657	0.7899	0.3126	1.6613	0.0244
PU1	0.5472	0.0115	0.3206	0.0310	0.3753	0.0205	0.1126	0.0720	0.4908	0.0063
PU2	0.8525	0.0231	0.6637	0.0561	0.6278	0.0369	0.2373	0.1725	0.8060	0.0106
PU3M	1.0659	0.0374	0.7923	0.0922	0.8401	0.0550	0.8693	0.2744	0.8532	0.0140
TRIN	0.1941	0.0435	0.1664	0.0511	0.4250	0.0740	-0.1804	0.1057	0.4715	0.0173
PL1	0.2260	0.0135	0.1230	0.0347	0.1273	0.0238	-0.0378	0.0724	0.1093	0.0077
PL2	0.1862	0.0334	0.4177	0.0799	0.2285	0.0558	0.3079	0.1735	0.1382	0.0181
PL3M	0.3574	0.0720	0.6154	0.1578	0.4217	0.1292	-0.6078	0.4822	0.0787	0.0385
TOTAL NUM	338,897		34,173		73,283		11,730		2,229,542	
DEATHS	86,566		13,299		26,783		3,326		190,843	
MODEL CHISQ	40,378		6,793		7,093		688		150,640	

Table 4

Comparison
of 1986 and 1987
Parameter Estimates

Table 4.1

Diagnostic Category: Cancer(CA)			
VARIABLES		Coefficients	
		1986	1987
Names	1987 Average Case		
INTERCEPT	1	-0.694	-0.959
RAG	1.134	-2.072	-1.633
RAGSQ	1.286	1.550	1.350
SEX	0.487	-0.259	-0.240
DI	0.034	-0.027	-0.102
OP	0.126	-0.100	-0.056
CA	0.485	0.585	0.577
LV	0.014	1.256	1.357
RN	0.018	1.030	1.047
CE	0.014	-0.022	-0.063
HY	0.010	-0.321	-0.368
CV	0.191	0.318	0.352
PH1	0.221	0.890	0.905
PH2	0.060	1.300	1.311
PH3M	0.021	1.555	1.559
PU1	0.150	0.401	0.422
PU2	0.038	0.730	0.672
PU3M	0.260	0.800	0.800
TRIN	0.025	-0.251	-0.263
PL1	0.087	0.164	0.157
PL2	0.011	0.225	0.177
PL3M	0.002	0.177	0.127
TOTAL CASES		222,229	216,565
DEATHS		93,522	89,692
Mortality	Average Case	45.1%	44.9%
	Observed	42.1%	41.4%
Interhospital Variance		0.00137	0.00130
MODEL CHISQ		25,026	23,809

Table 4.2

Diagnostic Category: CEREBROVASCULAR ACCIDENTS(CE)			
VARIABLES		Coefficients	
		1986	1987
Names	1987 Average Case		
INTERCEPT	1	1.270	1.200
RAG	1.192	-6.660	-6.615
RAGSQ	1.422	3.743	3.712
SEX	0.582	-0.057	-0.048
DI	0.093	0.090	0.102
OP	0.070	0.114	0.128
CA	0.300	0.836	0.810
LV	0.003	0.959	0.967
RN	0.019	0.959	0.880
CE	0.038	-0.697	-0.628
HY	0.048	-0.043	-0.078
CV	0.382	0.319	0.353
PH1	0.107	0.485	0.467
PH2	0.015	0.895	0.840
PH3M	0.003	1.232	1.220
PU1	0.081	0.367	0.381
PU2	0.011	0.688	0.659
PU3M	0.003	0.932	0.708
TRIN	0.018	-0.144	-0.047
PL1	0.093	0.125	0.121
PL2	0.012	0.265	0.176
PL3M	0.002	0.280	0.363
TOTAL CASES		238,401	240,896
DEATHS		64,594	63,407
Mortality	Average Case	29.3%	28.3%
	Observed	27.1%	26.3%
Interhospital Variance		0.00044	0.00039
MODEL CHISQ		12,188	11,842

Table 4.3

Diagnostic Category: NEUROPSYCHIATRIC/SENSORY(EY)

VARIABLES		Coefficients	
		1986	1987
Names	1987 Average Case		
INTERCEPT	1	-5.033	-5.281
RAG	1.069	-2.063	-1.561
RAGSQ	1.143	2.402	2.230
SEX	0.580	-0.617	-0.575
DI	0.052	0.171	0.176
OP	0.074	0.332	0.356
CA	0.020	1.869	1.933
LV	0.011	1.102	0.890
RN	0.011	1.558	1.616
CE	0.052	0.376	0.207
HY	0.017	-0.119	-0.042
CV	0.177	0.714	0.680
PH1	0.042	1.165	1.017
PH2	0.006	1.535	1.696
PH3M	0.001	2.130	1.933
PU1	0.081	0.556	0.542
PU2	0.012	1.073	0.950
PU3M	0.004	1.304	1.473
TRIN	0.008	0.673	0.517
PL1	0.146	0.113	0.146
PL2	0.029	0.161	0.141
PL3M	0.009	-0.125	0.070
TOTAL CASES		**270,607**	**245,185**
DEATHS		**5,542**	**5,633**
Mortality	**Average Case**	**1.14%**	**1.27%**
	Observed	**2.05%**	**2.30%**
Interhospital Variance		**0.00005**	**0.00006**
MODEL CHISQ		**7,273**	**7,524**

Table 4.4

Diagnostic Category: GASTROINTESTINAL CATASTROPHES(GC)

VARIABLES		**Coefficients**	
		1986	**1987**
Names	1987 Average Case		
INTERCEPT	1	-2.478	-2.309
RAG	1.124	-0.188	-0.470
RAGSQ	1.263	1.110	1.233
SEX	0.544	-0.121	-0.118
DI	0.061	-0.128	-0.164
OP	0.081	0.024	0.005
CA	0.083	1.040	1.067
LV	0.175	0.896	0.909
RN	0.062	0.651	0.680
CE	0.017	-0.424	-0.507
HY	0.019	-0.174	-0.304
CV	0.249	0.568	0.571
PH1	0.154	0.508	0.443
PH2	0.043	0.560	0.591
PH3M	0.02	0.716	0.575
PU1	0.155	0.270	0.292
PU2	0.034	0.430	0.490
PU3M	0.013	0.427	0.520
TRIN	0.022	0.327	0.313
PL1	0.112	0.197	0.143
PL2	0.017	0.344	0.174
PL3M	0.003	0.317	0.145
TOTAL CASES		**52,534**	**52,907**
DEATHS		**18,040**	**18,329**
Mortality	**Average Case**	**32.5%**	**32.4%**
	Observed	**34.3%**	**34.6%**
Interhospital Variance		**0.00232**	**0.00229**
MODEL CHISQ		**5,175**	**5,215**

Table 4.5

Diagnostic Category: **GASTROINTESTINAL DISEASE(GI)**

		Coefficients	
Names	1987 Average Case	**1986**	**1987**
INTERCEPT	1	-4.605	-3.563
RAG	1.127	-3.714	-5.535
RAGSQ	1.270	3.467	4.257
SEX	0.558	-0.097	-0.124
DI	0.045	0.350	0.268
OP	0.093	0.207	0.246
CA	0.026	1.577	1.640
LV	0.013	1.294	1.373
RN	0.013	1.679	1.490
CE	0.016	0.092	0.097
HY	0.021	-0.134	-0.148
CV	0.228	0.772	0.771
PH1	0.046	1.011	1.007
PH2	0.006	1.463	1.458
PH3M	0.001	1.949	1.872
PU1	0.087	0.501	0.526
PU2	0.013	0.848	0.999
PU3M	0.003	1.269	1.067
TRIN	0.006	0.636	0.670
PL1	0.117	0.212	0.218
PL2	0.018	0.297	0.380
PL3M	0.004	0.459	0.297
TOTAL CASES		461,326	451,765
DEATHS		13,703	13,776
Mortality	Average Case	1.8%	1.8%
	Observed	3.0%	3.0%
Interhospital Variance		0.00004	0.00004
MODEL CHISQ		16,023	16,232

Table 4.6

Diagnostic Category: UROLOGIC DISEASE(GU)			
VARIABLES		Coefficients	
		1986	1987
Names	1987 Average Case		
INTERCEPT	1	-4.917	-4.723
RAG	1.120	-5.328	-5.528
RAGSQ	1.254	4.515	4.469
SEX	0.157	0.457	0.593
DI	0.039	0.354	0.454
OP	0.080	0.386	0.149
CA	0.038	1.395	1.430
LV	0.002	1.436	1.422
RN	0.017	1.451	1.473
CE	0.013	0.448	0.586
HY	0.015	-0.063	-0.012
CV	0.175	0.892	0.933
PH1	0.040	1.066	1.152
PH2	0.005	1.615	1.599
PH3M	0.000	1.974	0.000
PU1	0.078	0.721	0.636
PU2	0.011	1.060	1.087
PU3M	0.003	1.556	1.589
TRIN	0.006	0.201	0.646
PL1	0.119	0.238	0.165
PL2	0.017	0.431	0.491
PL3M	0.004	0.473	0.834
TOTAL CASES		271,619	277,784
DEATHS		4,922	4,634
Mortality	Average Case	0.9%	0.8%
	Observed	1.8%	1.7%
Interhospital Variance		0.00006	0.00005
MODEL CHISQ		8,032	7,689

Table 4.7

Diagnostic Category: GYNECOLOGIC DISEASE(GY)

VARIABLES		**Coefficients**	
		1986	**1987**
Names	1987 Average Case		
INTERCEPT	1	-6.090	-9.179
RAG	1.091	-5.538	
RAGSQ	1.190	4.778	2.312
SEX	1		
DI	0.025	0.187	0.984
OP	0.038	0.540	0.132
CA	0.012	2.219	2.184
LV	0.002	1.689	1.887
RN	0.005	2.668	2.230
CE	0.009	0.912	0.347
HY	0.012	-0.536	0.307
CV	0.096	1.341	1.340
PH1	0.012	1.022	1.681
PH2	0.001	1.643	2.903
PH3M	0		
PU1	0.037	1.117	0.976
PU2	0.004	2.109	1.108
PU3M	0.001	2.208	1.559
TRIN	0.001	0.901	1.358
PL1	0.062	0.428	-0.305
PL2	0.006	0.996	0.626
PL3M	0	0.217	
TOTAL CASES		**60,709**	**61,870**
DEATHS		**292**	**273**
Mortality	**Average Case**	**0.2%**	**0.2%**
	Observed	**0.5%**	**0.4%**
Interhospital Variance		**0.00003**	**0.00003**
MODEL CHISQ		**742**	**667**

Table 4.8

Diagnostic Category: LOW-RISK HEART DISEASE(HL)			
VARIABLES		Coefficients	
		1986	1987
Names	1987 Average Case		
INTERCEPT	1	-3.416	-3.165
RAG	1.132	-4.227	-4.678
RAGSQ	1.281	3.188	3.381
SEX	0.550	-0.307	-0.298
DI	0.061	0.294	0.299
OP	0.093	0.187	0.200
CA	0.020	1.500	1.509
LV	0.003	1.155	1.227
RN	0.016	1.274	1.184
CE	0.019	0.070	0.035
HY	0.038	-0.127	-0.170
CV	0.517	0.584	0.544
PH1	0.090	0.919	0.880
PH2	0.012	1.447	1.440
PH3M	0.003	1.938	2.035
PU1	0.078	0.428	0.456
PU2	0.011	0.832	0.861
PU3M	0.003	0.963	1.195
TRIN	0.036	0.726	0.673
PL1	0.171	0.180	0.190
PL2	0.035	0.286	0.255
PL3M	0.011	0.430	0.426
TOTAL CASES		806,069	818,849
DEATHS		27,612	27,786
Mortality	Average Case	2.5%	2.4%
	Observed	3.4%	3.4%
Interhospital Variance		0.00002	0.00002
MODEL CHISQ		21,313	21,104

Table 4.9

Diagnostic Category: SEVERE CHRONIC HEART DISEASE (HM)			
VARIABLES		Coefficients	
		1986	1987
Names	1987 Average Case		
INTERCEPT	1	-1.613	-1.958
RAG	1.187	-2.450	-1.776
RAGSQ	1.409	2.052	1.735
SEX	0.551	-0.249	-0.237
DI	0.102	-0.020	-0.047
OP	0.187	0.008	0.003
CA	0.034	0.841	0.803
LV	0.008	0.855	0.711
RN	0.066	0.781	0.726
CE	0.020	-0.146	-0.081
HY	0.033	-0.340	-0.399
CV	0.594	0.118	0.080
PH1	0.202	0.629	0.633
PH2	0.061	0.975	0.951
PH3M	0.028	1.249	1.173
PU1	0.121	0.347	0.321
PU2	0.022	0.561	0.532
PU3M	0.006	0.771	0.654
TRIN	0.011	0.547	0.461
PL1	0.118	0.121	0.109
PL2	0.021	0.143	0.122
PL3M	0.005	0.192	0.205
TOTAL CASES		306,819	311,444
DEATHS		71,429	70,762
Mortality	Average Case	21.1%	20.6%
	Observed	23.3%	22.7%
Interhospital Variance		0.00037	0.00032
MODEL CHISQ		20,525	19,097

Table 4.10

Diagnostic Category: **SEVERE ACUTE HEART DISEASE(HS)**			
VARIABLES		Coefficients	
		1986	1987
Names	1987 Average Case		
INTERCEPT	1	-0.520	-0.386
RAG	1.156	-3.194	-3.497
RAGSQ	1.336	2.548	2.678
SEX	0.482	-0.048	-0.038
DI	0.083	0.145	0.174
OP	0.108	-0.163	-0.153
CA	0.028	0.606	0.556
LV	0.003	1.181	1.032
RN	0.029	0.846	0.817
CE	0.015	-0.486	-0.504
HY	0.033	-0.310	-0.286
CV	0.675	0.251	0.252
PH1	0.137	0.473	0.426
PH2	0.023	0.840	0.801
PH3M	0.006	1.217	1.172
PU1	0.083	0.350	0.357
PU2	0.013	0.663	0.633
PU3M	0.004	0.984	0.977
TRIN	0.043	-0.325	-0.448
PL1	0.105	0.114	0.110
PL2	0.017	0.230	0.150
PL3M	0.005	0.294	0.372
TOTAL CASES		252,802	246,665
DEATHS		98,629	94,172
Mortality	Average Case	37.7%	36.5%
	Observed	39.0%	38.2%
Interhospital Variance		0.00062	0.00067
MODEL CHISQ		15,388	14,457

Table 4.11

Diagnostic Category: METABOLIC/ELECTROLYTE DISORDERS(ME)			
VARIABLES		**Coefficients**	
		1986	**1987**
Names	1987 Average Case		
INTERCEPT	1	-2.571	-3.205
RAG	1.209	-1.183	0.267
RAGSQ	1.462	1.558	0.835
SEX	0.639	-0.478	-0.430
DI	0.067	0.032	-0.080
OP	0.088	0.025	0.024
CA	0.164	1.649	1.617
LV	0.010	0.925	0.866
RN	0.057	0.662	0.642
CE	0.082	-0.209	-0.264
HY	0.019	-0.252	-0.200
CV	0.249	0.664	0.625
PH1	0.176	0.541	0.544
PH2	0.040	0.865	0.776
PH3M	0.012	0.993	1.018
PU1	0.165	0.331	0.317
PU2	0.036	0.504	0.425
PU3M	0.015	0.671	0.624
TRIN	0.003	0.221	0.326
PL1	0.124	0.043	0.045
PL2	0.019	0.018	0.058
PL3M	0.004	-0.223	-0.116
TOTAL CASES		**106,268**	**105,282**
DEATHS		**25,226**	**26,485**
Mortality	**Average Case**	**20.8%**	**21.8%**
	Observed	**23.7%**	**25.2%**
Interhospital Variance		**0.00206**	**0.00216**
MODEL CHISQ		**15,173**	**14,966**

Table 4.12

Diagnostic Category: **MUSCULOSKELETAL/SKIN CONDITIONS(OP)**

VARIABLES		**Coefficients**	
		1986	**1987**
Names	1987 Average Case		
INTERCEPT	1	-3.731	-3.313
RAG	1.121	-5.093	-5.814
RAGSQ	1.257	3.932	4.244
SEX	0.666	-0.485	-0.469
DI	0.059	0.354	0.366
OP	0.066	0.384	0.463
CA	0.024	1.916	1.885
LV	0.004	1.516	1.573
RN	0.010	1.609	1.641
CE	0.023	0.273	0.295
HY	0.017	0.024	0.046
CV	0.170	1.019	0.985
PH1	0.031	0.999	1.058
PH2	0.004	1.533	1.447
PH3M	0.001	2.081	2.187
PU1	0.066	0.557	0.494
PU2	0.009	0.905	0.970
PU3M	0.003	1.318	1.433
TRIN	0.004	0.703	0.866
PL1	0.123	0.056	0.041
PL2	0.018	0.200	0.086
PL3M	0.004	0.378	-0.007
TOTAL CASES		**598,973**	**585,696**
DEATHS		**12,993**	**13,186**
Mortality	**Average Case**	**1.2%**	**1.2%**
	Observed	**2.2%**	**2.3%**
Interhospital Variance		**0.00003**	**0.00004**
MODEL CHISQ		**18,431**	**18,616**

Table 4.13

Diagnostic Category: PULMONARY DISEASE (PN)			
VARIABLES		Coefficients	
		1986	1987
Names	1987 Average Case		
INTERCEPT	1	-2.430	-2.601
RAG	1.191	-1.642	-1.152
RAGSQ	1.418	1.983	1.708
SEX	0.509	-0.340	-0.335
DI	0.055	0.096	0.104
OP	0.261	-0.300	-0.302
CA	0.084	1.063	1.070
LV	0.007	0.848	0.649
RN	0.031	0.974	0.849
CE	0.051	0.046	0.028
HY	0.020	-0.306	-0.299
CV	0.386	0.382	0.388
PH1	0.162	0.708	0.682
PH2	0.038	1.017	0.961
PH3M	0.012	1.235	1.227
PU1	0.134	0.547	0.530
PU2	0.028	0.852	0.818
PU3M	0.010	1.066	1.055
TRIN	0.008	0.194	0.133
PL1	0.095	0.226	0.234
PL2	0.014	0.186	0.266
PL3M	0.003	0.357	0.288
TOTAL CASES		338,897	339,986
DEATHS		86,566	87,977
Mortality	Average Case	22.3%	22.6%
	Observed	25.5%	25.9%
Interhospital Variance		0.00078	0.00072
MODEL CHISQ		40,378	38,547

Table 4.14

Diagnostic Category: **RENAL FAILURE(RN)**			
VARIABLES		**Coefficients**	
		1986	**1987**
Names	1987 Average Case		
INTERCEPT	1	-5.368	-4.716
RAG	1.112	4.038	2.488
RAGSQ	1.237	-0.173	0.572
SEX	0.493	-0.152	-0.132
DI	0.117	0.117	0.118
OP	0.061	0.194	0.230
CA	0.087	1.024	0.946
LV	0.014	1.524	1.263
RN	0.137	-0.097	-0.069
CE	0.026	-0.152	-0.011
HY	0.088	-0.406	-0.345
CV	0.349	0.611	0.642
PH1	0.224	0.384	0.377
PH2	0.058	0.677	0.651
PH3M	0.022	0.857	1.037
PU1	0.189	0.321	0.324
PU2	0.049	0.664	0.416
PU3M	0.021	0.792	0.794
TRIN	0.054	0.166	0.181
PL1	0.135	0.123	0.192
PL2	0.023	0.418	0.319
PL3M	0.004	0.615	0.462
TOTAL CASES		**34,173**	**33,325**
DEATHS		**13,299**	**12,531**
Mortality	**Average Case**	**35.9%**	**33.0%**
	Observed	**38.9%**	**37.6%**
Interhospital Variance		**0.01353**	**0.01217**
MODEL CHISQ		**6,793**	**6,125**

Table 4.15

Diagnostic Category: INFECTIOUS DISEASE(SE)			
VARIABLES		Coefficients	
		1986	1987
Names	1987 Average Case		
INTERCEPT	1	-1.963	-2.265
RAG	1.185	-0.879	-0.228
RAGSQ	1.404	1.327	0.967
SEX	0.578	-0.136	-0.120
DI	0.098	-0.010	-0.007
OP	0.073	-0.051	-0.053
CA	0.128	0.742	0.737
LV	0.016	0.956	0.976
RN	0.065	0.883	0.750
CE	0.041	-0.269	-0.324
HY	0.016	-0.376	-0.318
CV	0.267	0.513	0.517
PH1	0.184	0.589	0.563
PH2	0.045	0.766	0.731
PH3M	0.014	1.043	0.960
PU1	0.183	0.375	0.413
PU2	0.046	0.628	0.620
PU3M	0.019	0.840	0.796
TRIN	0.011	0.425	0.446
PL1	0.124	0.127	0.149
PL2	0.019	0.229	0.233
PL3M	0.003	0.422	0.250
TOTAL CASES		73,283	77,856
DEATHS		26,783	27,664
Mortality	Average Case	34.5%	33.7%
	Observed	36.5%	35.5%
Interhospital Variance		0.00195	0.00168
MODEL CHISQ		7,093	6,964

Table 4.16

Diagnostic Category: SEVERE TRAUMA(TR)			
VARIABLES		Coefficients	
		1986	1987
Names	1987 Average Case		
INTERCEPT	1	-1.219	-1.498
RAG	1.161	-1.628	-1.358
RAGSQ	1.348	1.514	1.460
SEX	0.479	-0.238	-0.244
DI	0.039	0.198	-0.063
OP	0.075	-0.372	-0.249
CA	0.033	1.108	0.821
LV	0.008	1.123	1.158
RN	0.013	1.190	1.110
CE	0.048	-0.969	-0.488
HY	0.015	-0.522	-0.172
CV	0.246	0.586	0.575
PH1	0.119	0.037	0.109
PH2	0.015	0.440	0.381
PH3M	0.003	0.790	0.924
PU1	0.092	0.113	0.213
PU2	0.014	0.237	0.401
PU3M	0.004	0.869	0.810
TRIN	0.051	-0.180	-0.172
PL1	0.096	-0.038	-0.026
PL2	0.013	0.308	-0.234
PL3M	0.003	-0.608	0.252
TOTAL CASES		11,730	11,777
DEATHS		3,326	3,306
Mortality	Average Case	26.3%	26.1%
	Observed	28.4%	28.1%
Interhospital Variance		0.00348	0.00303
MODEL CHISQ		688	621

Table 4.17

Diagnostic Category: ALL OTHER DISEASES (UN)			
VARIABLES		Coefficients	
		1986	1987
Names	1987 Average Case		
INTERCEPT	1	-3.699	-3.526
RAG	1.136	-2.133	-2.457
RAGSQ	1.290	2.307	2.435
SEX	0.581	-0.321	-0.293
DI	0.061	0.156	0.169
OP	0.122	0.249	0.240
CA	0.086	1.191	1.174
LV	0.008	1.442	1.429
RN	0.028	1.094	1.066
CE	0.032	0.009	0.019
HY	0.022	-0.219	-0.222
CV	0.275	0.678	0.660
PH1	0.081	0.886	0.918
PH2	0.014	1.335	1.327
PH3M	0.004	1.661	1.623
PU1	0.148	0.491	0.483
PU2	0.034	0.806	0.752
PU3M	0.018	0.853	0.736
TRIN	0.012	0.472	0.423
PL1	0.104	0.109	0.115
PL2	0.016	0.138	0.107
PL3M	0.003	0.079	0.086
TOTAL CASES		2,229,542	2,200,419
DEATHS		190,843	187,048
Mortality	Average Case	6.1%	6.0%
	Observed	8.6%	8.5%
Interhospital Variance		0.00008	0.00007
MODEL CHISQ		150,640	144,234

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